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Blasi, F., and P. Carmeliet.

uPAR: a versatile signalling orchestrator.

Nature Rev. Mol. Cell. Biol. 3: 932-943 (2002).

Alfano, M., N. Sidenius, B. Panzeri, F. Blasi, and G. Poli.

Urokinase-urokinase receptor interaction mediates an inhibitory signal for HIV-1 replication.

Proc Natl. Acad. Sci. U. S. A. 99: 8862-8867 (2002).

Andolfo, A., W.R. English, M. Resnati, G. Murphy, F. Blasi, and N. Sidenius.

Metalloproteases cleave the urokinase-type plasminogen activator receptor in the D1-D2 linker region and expose epitopes not present in the intact soluble receptor.

Thromb Haemost. 88:298-306. (2002)

Fognani, C., C. Kilstrup-Nielsen, J. Berthelsen, E. Ferretti, V. Zappavigna, and F. Blasi.

Characterization of PREP2, a paralog of PREP1, which defines a novel sub-family of the MEINOX TALE homeodomain transcription factors.

Nucleic Acids Res. 30: 2043-2051 (2002).

Ibanez-Tallon, I., C. Ferrai, E. Longobardi, I. Facetti, F. Blasi, and M.P. Crippa.

Binding of Sp1 to the proximal promoter links constitutive expression of the human uPA gene and invasive potential of PC3 cells.

Blood 100: 3325-3332 (2002).

Resnati, M., I. Pallavicini, J.M. Wang, J. Oppenheim, C.N. Serhan, M. Romano, and F. Blasi.

The fibrinolytic receptor for urokinase activates the G protein-coupled chemotactic receptor FPRL1/LXA4R.

Proc. Natl. Acad. Sci. U. S. A. 99:1359-1364 (2002).

Sidenius, N., A. Andolfo, R. Fesce, and F. Blasi.

Urokinase regulates vitronectin binding by controlling urokinase receptor oligomerization.

J. Biol. Chem. 277: 27982-27990 (2002).

Sidenius, N., and F. Blasi.

The urokinase plasminogen activator system in cancer: recent advances and implication for prognosis and therapy.

Cancer Metastasis Rev. 22: 205-222 (2003).

Alfano, M., N. Sidenius, F. Blasi, and G. Poli.

The role of urokinase-type plasminogen activator (uPA)/uPA receptor in HIV-1 infection.

J. Leukoc. Biol. 74: 750-756 (2003).

Bacchelli, E., F. Blasi, M. Biondolillo, J.A. Lamb, E. Bonora, G. Barnby, J. Parr, K.S.

Beyer, S.M. Klauck, A. Poustka, A.J. Bailey, A.P. Monaco, and E. Maestrini.

Screening of nine candidate genes for autism on chromosome 2q reveals rare nonsynonymous variants in the cAMP-GEFII gene.
Mol.Psychiatry 8: 916-924 (2003).

Cunningham, O., A. Andolfo, M.L. Santovito, L. Iuzzolino, F. Blasi, and N. Sidenius.
Dimerization controls the lipid raft partitioning of uPAR/CD87 and regulates its biological functions.
Embo J. 22: 5994-6003 (2003).

Longobardi, E., and F. Blasi.
Overexpression of PREP-1 in F9 teratocarcinoma cells leads to a functionally relevant increase of PBX-2 by preventing its degradation.
J. Biol. Chem. 278: 39235-39241 (2003).

Benasciutti, E., G. Pages, O. Kenzior, W. Folk, F. Blasi, and M.P. Crippa.
MAPK and JNK transduction pathways can phosphorylate Sp1 to activate the uPA minimal promoter element and endogenous gene transcription.
Blood 104: 256-262 (2004).

Sidenius, N., M. Nebuloni, S. Sala, P. Zerbi, R.W. Price, M. Gisslen, L. Hagberg, L. Vago, A. Lazzarin, F. Blasi, and P. Cinque.
Expression of the urokinase plasminogen activator and its receptor in HIV-1-associated central nervous system disease.
J. Neuroimmunol. 157: 133-139 (2004).

Villaescusa, J.C., A.C. Verrotti, E. Ferretti, R. Farookhi, and F. Blasi.
Expression of Hox cofactor genes during mouse ovarian follicular development and oocyte maturation.
Gene. 330: 1-7 (2004).

Vivani, C., S. Magi, R. Mazzucchelli, R. Bacchiocchi, A. Santinelli, G. Muzzonigro, F. Blasi, R. Montironi, and F. Fazioli.
Immunohistochemical evaluation of urokinase plasminogen activator receptor in noninvasive and early invasive urothelial papillary neoplasia.
Anal. Quant. Cytol. Histol. 26: 15-21 (2004).

Sier, C.F., I. Nicoletti, M.L. Santovito, T. Frandsen, G. Aletti, A. Ferrari, A. Lissoni, R. Giavazzi, F. Blasi, and N. Sidenius.
Metabolism of tumour-derived urokinase receptor and receptor fragments in cancer patients and xenografted mice.
Thromb. Haemost. 91: 403-411 (2004).

Mondino, A., and F. Blasi.
uPA and uPAR in fibrinolysis, immunity and pathology.
Trends Immunol. 25: 450-455 (2004).

D'Adamo, P., E. Bacchelli, F. Blasi, H.P. Lipp, D. Toniolo, and E. Maestrini.
DNA variants in the human RAB3A gene are not associated with autism.
Genes Brain Behav. 3: 123-124 (2004).

Kitchener, P., F. Di Blasi, E. Borrelli, and P.V. Piazza.
Differences between brain structures in nuclear translocation and DNA binding of the glucocorticoid receptor during stress and the circadian cycle.
Eur. J. Neurosci. 19: 1837-1846 (2004).

Furlan, F., S. Orlando, C. Laudanna, M. Resnati, V. Basso, F. Blasi, and A. Mondino.
The soluble D2D3(88-274) fragment of the urokinase receptor inhibits monocyte chemotaxis and integrin-dependent cell adhesion.
J. Cell Sci. 117: 2909-2916 (2004).

Deflorian, G., N. Tiso, E. Ferretti, D. Meyer, F. Blasi, M. Bortolussi, and F. Argenton.
Prep1.1 has essential genetic functions in hindbrain development and cranial neural crest cell differentiation.
Development 131: 613-627 (2004).

Cinque, P., M. Nebuloni, M.L. Santovito, R.W. Price, M. Gisslen, L. Hagberg, A. Bestetti, G. Vago, A. Lazzarin, F. Blasi, and N. Sidenius.
The urokinase receptor is overexpressed in the AIDS dementia complex and other neurological manifestations.
Ann. Neurol. 55: 687-694 (2004).

Brendolan, A., E. Ferretti, V. Salsi, K. Moses, S. Quaggin, F. Blasi, M.L. Cleary, and L. Selleri.
A Pbx1-dependent genetic and transcriptional network regulates spleen ontogeny.
Development 132: 3113-3126 (2005).

Degryse, B., M. Resnati, R.P. Czekay, D.J. Loskutoff, and F. Blasi.
Domain 2 of the urokinase receptor contains an integrin-interacting epitope with intrinsic signaling activity: generation of a new integrin inhibitor.
J. Biol. Chem. 280: 24792-24803 (2005).

Ferretti, E., F. Cambronero, S. Tumpel, E. Longobardi, L.M. Wiedemann, F. Blasi, and R. Krumlauf.
Hoxb1 enhancer and control of rhombomere 4 expression: complex interplay between PREP1-PBX1-HOXB1 binding sites.
Mol. Cell Biol. 25: 8541-8552 (2005).

Penkov, D., P. Di Rosa, L. Fernandez Diaz, V. Basso, E. Ferretti, F. Grassi, A. Mondino, and F. Blasi.
Involvement of Prep1 in the alphabeta T-cell receptor T-lymphocytic potential of hematopoietic precursors.
Mol Cell Biol. 25: 10768-10781. (2005).

Selleri, C., N. Montuori, P. Ricci, V. Visconte, M.V. Carriero, N. Sidenius, B. Serio, F. Blasi, B. Rotoli, G. Rossi, and P. Ragno.
Involvement of the urokinase-type plasminogen activator receptor in hematopoietic stem cell mobilization.
Blood 105: 2198-2205 (2005).

Mazzieri, R., and F. Blasi.

The urokinase receptor and the regulation of cell proliferation.
Thromb Haemost. 93: 641-646 (2005).

Villaescusa, J.C., P. Allard, E. Carminati, M. Kontogiannea, D. Talarico, F. Blasi, R. Farookhi, and A.C. Verrotti.

Clast4, the murine homologue of human eIF4E-Transporter, is highly expressed in developing oocytes and post-translationally modified at meiotic maturation.
Gene 367: 101-109 (2006).

Diaz, V.M., M. Hurtado, E.J. Kort, M. Resnati, F. Blasi, T. Thomson, and R. Paciucci.
Requirement of the enzymatic and signaling activities of plasmin for phorbol-ester-induced scattering of colon cancer cells.
Exp. Cell. Res. 312: 2203-2213 (2006).

Resnati, M., I. Pallavicini, R. Daverio, N. Sidenius, P. Bonini, and F. Blasi.
Specific immunofluorimetric assay detecting the chemotactic epitope of the urokinase receptor (uPAR).
J. Immunol. Methods 308: 192-202 (2006).

Rizzi, C., M.P. Crippa, R.E. Jeeninga, B. Berkhout, F. Blasi, G. Poli, and M. Alfano.
Pertussis toxin B-oligomer suppresses IL-6 induced HIV-1 and chemokine expression in chronically infected U1 cells via inhibition of activator protein 1.
J. Immunol. 176: 999-1006 (2006).

Mazzieri, R., S. D'Alessio, R.K. Kenmoe, L. Ossowski, and F. Blasi.
An uncleavable uPAR mutant allows dissection of signaling pathways in uPA-dependent cell migration.
Mol Biol Cell. 17: 367-378 (2006).

Mazzieri, R., F. Furlan, S. D'Alessio, E. Zonari, F. Talotta, P. Verde, and F. Blasi.
A direct link between expression of urokinase plasminogen activator receptor, growth rate and oncogenic transformation in mouse embryonic fibroblasts.
Oncogene. 26: 725-732 (2007).

Caiolfa, V.R., M. Zamai, G. Malengo, A. Andolfo, C.D. Madsen, J. Sutin, M.A. Digman, E. Gratton, F. Blasi, and N. Sidenius.
Monomer dimer dynamics and distribution of GPI-anchored uPAR are determined by cell surface protein assemblies.
J. Cell Biol. 179: 1067-1082 (2007).

Di Rosa, P., J.C. Villaescusa, E. Longobardi, G. Iotti, E. Ferretti, V.M. Diaz, A. Miccio, G. Ferrari, and F. Blasi.
The homeodomain transcription factor Prep1 (pKnox1) is required for hematopoietic stem and progenitor cell activity.
Dev. Biol. 311: 324-334 (2007).

Diaz, V.M., A. Bachi, and F. Blasi.
Purification of the Prep1 interactome identifies novel pathways regulated by Prep1.
Proteomics 7: 2617-2623 (2007).

Ferrai, C., D. Munari, P. Luraghi, L. Pecciarini, M.G. Cangi, C. Doglioni, F. Blasi, and M.P. Crippa.

A transcription-dependent micrococcal nuclease-resistant fragment of the urokinase-type plasminogen activator promoter interacts with the enhancer.

J. Biol. Chem. 282: 12537-12546 (2007).

Furlan, F., C. Galbiati, N.R. Jorgensen, J.E. Jensen, E. Mrak, A. Rubinacci, F. Talotta, P. Verde, and F. Blasi.

Urokinase plasminogen activator receptor affects bone homeostasis by regulating osteoblast and osteoclast function.

J. Bone Miner. Res. 22: 1387-1396 (2007).

Diaz, V.M., S. Mori, E. Longobardi, G. Menendez, C. Ferrai, R.A. Keough, A. Bachi, and F. Blasi.

Myb-binding protein interacts with Prep1 and inhibits its transcriptional activity.

Mol. Cell. Biol. 27: 7981-7990 (2007).

Elia, C., E. Cassol, N. Sidenius, F. Blasi, A. Castagna, G. Poli, and M. Alfano. Inhibition of HIV replication by the plasminogen activator is dependent on vitronectin-mediated cell adhesion.

J. Leukoc. Biol. 82: 1212-1220 (2007).

Tumpel, S., F. Cambronerio, E. Ferretti, F. Blasi, L.M. Wiedemann, and R. Krumlauf. Expression of Hoxa2 in rhombomere 4 is regulated by a conserved cross-regulatory mechanism dependent upon Hoxb1.

Dev. Biol. 302: 646-660 (2007).

Fernandez, L.C., M.C. Errico, L. Bottero, D. Penkov, M. Resnati, F. Blasi, and A. Care. Oncogenic HoxB7 requires TALE cofactors and is inactivated by a dominant-negative Pbx1 mutant in a cell-specific manner.

Cancer Lett. 266: 144-155.(2008).

Sahores, M., A. Prinetti, G. Chiabrando, F. Blasi, and S. Sonnino.

uPA binding increases UPAR localization to lipid rafts and modifies the receptor microdomain composition.

Biochim. Biophys. Acta 1778: 250-259 (2008).

Penkov, D., M. Palazzolo, A. Mondino, and F. Blasi.

Cytosolic sequestration of Prep1 influences early stages of T cell development.

PLoS One. 3:e2424. (2008).

Cortese, K., M. Sahores, C.D. Madsen, C. Tacchetti, and F. Blasi.

Clathrin and LRP-1-independent constitutive endocytosis and recycling of uPAR.

PLoS One 3: e3730 (2008).

D'Alessio, S., L. Gerasi, and F. Blasi.

uPAR-deficient mouse keratinocytes fail to produce EGFR-dependent laminin-5, affecting migration in vivo and in vitro.

J. Cell Sci. 121: 3922-3932 (2008).

Degryse, B., J. Fernandez-Recio, V. Citro, F. Blasi, and M.V. Cubellis.
In silico docking of urokinase plasminogen activator and integrins.
BMC Bioinformatics. 9 Suppl 2: S8 (2008).

Alfano, M., S.A. Mariani, C. Elia, R. Pardi, F. Blasi, and G. Poli.
Ligand-engaged urokinase-type plasminogen activator receptor and activation of the
CD11b/CD18 integrin inhibit late events of HIV expression in monocytic cells.
Blood 113:1699-1709 (2009).

D'Alessio, S., and F. Blasi.
The urokinase receptor as an entertainer of signal transduction.
Front Biosci. 14: 4575-4587 (2009).

Ferrai, C., G. Naum-Ongania, E. Longobardi, M. Palazzolo, A. Disanza, V.M. Diaz, M.P.
Crippa, G. Scita, and F. Blasi.
Induction of HoxB Transcription by Retinoic Acid Requires Actin Polymerization.
Mol. Biol. Cell. (2009).

Micali, N., C. Ferrai, L.C. Fernandez-Diaz, F. Blasi, and M.P. Crippa.
Prep1 directly regulates the intrinsic apoptotic pathway by controlling Bcl-XL levels. Mol
Cell Biol. 29: 1143-1151 (2009).

Milanese, G., M. Dellabella, F. Fazioli, E. Pierpaoli, M. Polito, N. Siednius, R. Montironi,
F. Blasi, and G. Muzzonigro.
Increased urokinase-type plasminogen activator receptor and epidermal growth factor
receptor in serum of patients with prostate cancer.
J Urol. 181: 1393-1400 (2009).

Oriente, F., L.C. Fernandez Diaz, C. Miele, S. Iovino, S. Mori, V.M. Diaz, G. Troncone,
A. Cassese, P. Formisano, F. Blasi, and F. Beguinot.
Prep1 deficiency induces protection from diabetes and increased insulin sensitivity
through a p160-mediated mechanism.
Mol Cell Biol. 28:5634-5645. (2009).

Tjwa, M., N. Sidenius, R. Moura, S. Jansen, K. Theunissen, A. Andolfo, M. De Mol, M.
Dewerchin, L. Moons, F. Blasi, C. Verfaillie, and P. Carmeliet.
Membrane-anchored uPAR regulates the proliferation, marrow pool size, engraftment,
and mobilization of mouse hematopoietic stem/progenitor cells.
J .Clin. Invest. 119: 1008-1018 (2009).

Villaescusa, J.C., C. Buratti, D. Penkov, L. Mathiasen, J. Planaguma, E. Ferretti, and F.
Blasi.
Cytoplasmic Prep1 interacts with 4EHP inhibiting Hoxb4 translation.
PLoS One 4:e5213 (2009).

