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IP10 Antibody

Rabbit mAb
Catalog # AP91180

Product Information

Application	WB
Primary Accession	P02778
Reactivity	Human
Clonality	Monoclonal
Other Names	C-X-C motif chemokine 10; 10 kDa interferon gamma-induced protein; Gamma-IP10; IP-10; Small-inducible cytokine B10; CXCL10; INP10; SCYB10; MOB1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	10881

Additional Information

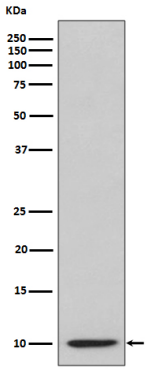
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human IP10
Description	Chemotactic for monocytes and T-lymphocytes. Binds to CXCR3.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CXCL10
Synonyms	INP10, SCYB10
Function	Pro-inflammatory cytokine that is involved in a wide variety of processes such as chemotaxis, differentiation, and activation of peripheral immune cells, regulation of cell growth, apoptosis and modulation of angiostatic effects (PubMed:11157474, PubMed:22652417, PubMed:7540647). Plays thereby an important role during viral infections by stimulating the activation and migration of immune cells to the infected sites (By similarity). Mechanistically, binding of CXCL10 to the CXCR3 receptor activates G protein-mediated signaling and results in downstream activation of phospholipase C-dependent pathway, an increase in intracellular calcium production and actin reorganization (PubMed:12750173, PubMed:19151743). In turn, recruitment of activated Th1 lymphocytes occurs at sites of inflammation (PubMed:12663757, PubMed:12750173). Activation of the CXCL10/CXCR3 axis also plays an important role in neurons in response to brain injury for activating microglia, the resident macrophage population of

	the central nervous system, and directing them to the lesion site. This recruitment is an essential element for neuronal reorganization (By similarity).
Cellular Location	Secreted.
Tissue Location	Mainly secreted by monocytes, endothelial cells as well as fibroblasts. Expressed by epithelial cells in thymus (PubMed:11157474). Microglial cells produce CXCL10 in response to viral stimulation (PubMed:12663757).

Images



Western blot analysis of IP10 expression in IP10 recombinant protein lysate.

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