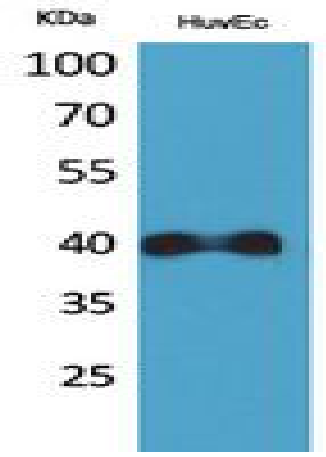
Best Tools for immunology Research

IL-8Rβ Polyclonal Antibody

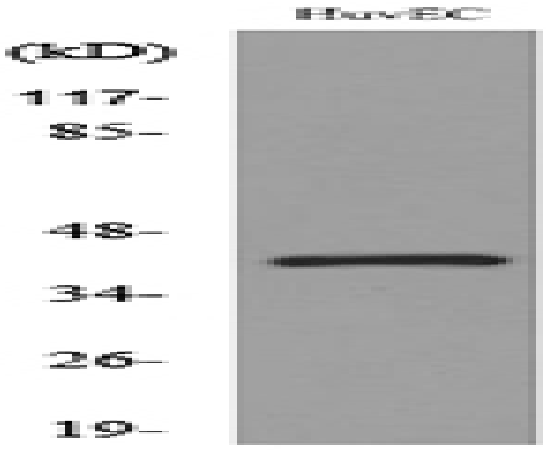
Catalog No :	YT5397
Reactivity :	Human;
Applications :	WB;IHC;IF;ELISA
Target :	IL-8Rβ
Fields :	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>Chemokine signaling pathway;>>Phospholipase D signaling pathway;>>Endocytosis;>>Epithelial cell signaling in Helicobacter pylori infection;>>Human cytomegalovirus infection
Gene Name :	CXCR2
Protein Name :	C-X-C chemokine receptor type 2
Human Gene Id :	3579
Human Swiss Prot No :	P25025
Mouse Swiss Prot No :	P35343
Immunogen :	The antiserum was produced against synthesized peptide derived from the N-terminal region of human CXCR2. AA range:1-50
Specificity :	IL-8Rβ Polyclonal Antibody detects endogenous levels of IL-8Rβ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Cell Pathway :	Cytokine-cytokine receptor interaction;Chemokine;Endocytosis;Epithelial cell signaling in Helicobacter pylori infection;
Background :	C-X-C motif chemokine receptor 2(CXCR2) Homo sapiens The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, a gene encoding another high affinity IL8 receptor, as
Function :	function:Receptor for interleukin-8 which is a powerful neutrophil chemotactic factor. Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. Binds to IL-8 with high affinity. Also binds with high affinity to CXCL3, GRO/MGSA and NAP-2.,online information:CXC chemokine receptors entry,PTM:Phosphorylated upon ligand binding; which is required for desensitization.,similarity:Belongs to the G-protein coupled receptor 1 family.,
Subcellular Location :	Cell membrane; Multi-pass membrane protein.
Expression :	Brain,Placenta,
Tag :	orthogonal
Sort :	1
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of HuvEc cells using IL-8Rβ Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from HUVEC cells, using CXCR2 Antibody.