

**IL-8R $\beta$  (phospho Ser347) Polyclonal Antibody**

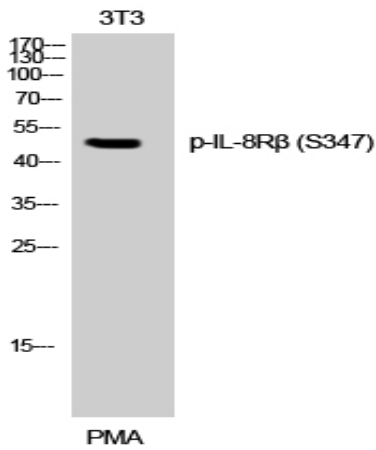
<b>Catalog No :</b>	YP0936
<b>Reactivity :</b>	Human;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	IL-8R $\beta$
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>Chemokine signaling pathway;>>Phospholipase D signaling pathway;>>Endocytosis;>>Epithelial cell signaling in Helicobacter pylori infection;>>Human cytomegalovirus infection
<b>Gene Name :</b>	CXCR2
<b>Protein Name :</b>	C-X-C chemokine receptor type 2
<b>Human Gene Id :</b>	3579
<b>Human Swiss Prot No :</b>	P25025
<b>Mouse Gene Id :</b>	12765
<b>Mouse Swiss Prot No :</b>	P35343
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human IL-8R beta/CDw128 beta around the phosphorylation site of Ser347. AA range:311-360
<b>Specificity :</b>	Phospho-IL-8R $\beta$ (S347) Polyclonal Antibody detects endogenous levels of IL-8R $\beta$ protein only when phosphorylated at S347.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

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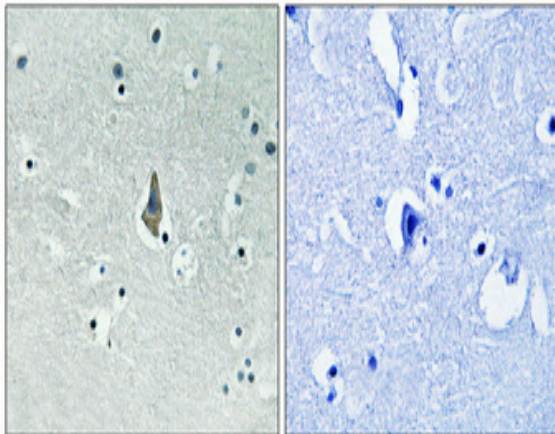
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	48kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Chemokine;Endocytosis;Epithelial cell signaling in Helicobacter pylori infection;
<b>Background :</b>	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
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cell membrane; Multi-pass membrane protein.
<b>Expression :</b>	Brain,Placenta,

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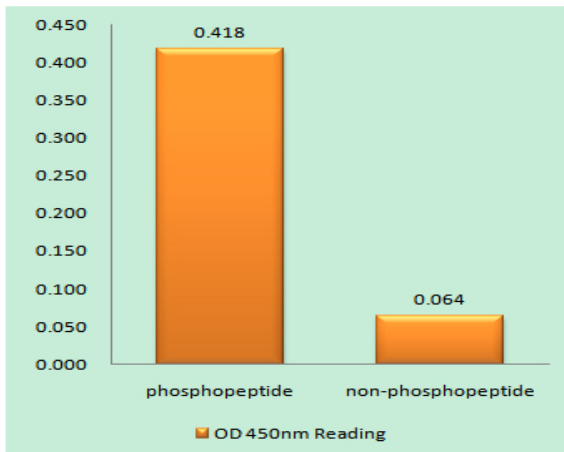
## Products Images



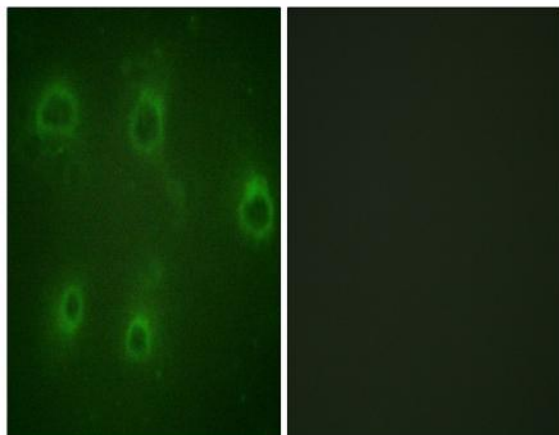
Western Blot analysis of 3T3 cells using Phospho-IL-8R $\beta$  (S347) Polyclonal Antibody



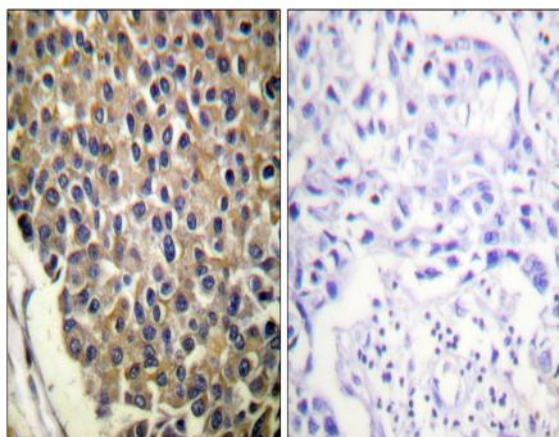
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



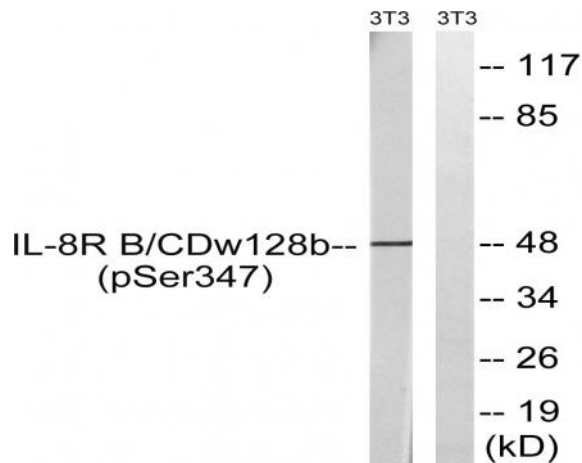
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IL-8R beta/CDw128 beta (Phospho-Ser347) Antibody



Immunofluorescence analysis of COS7 cells, using IL-8R beta/CDw128 beta (Phospho-Ser347) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using IL-8R beta/CDw128 beta (Phospho-Ser347) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with PMA 125ng/ml 30', using IL-8R beta/CDw128 beta (Phospho-Ser347) Antibody. The lane on the right is blocked with the phospho peptide.