ELK Biotechnology

IL-8Rβ (phospho Ser347) rabbit pAb

Cat No.:ES5886

For research use only

Overview

Product Name	IL-8Rβ (phospho Ser347) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	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
Specificity	Phospho-IL-8Rβ (S347) Polyclonal Antibody detects endogenous levels of IL-8Rβ protein only when phosphorylated at S347.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	C-X-C chemokine receptor type 2
Gene Name	CXCR2
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	3579
Human Swiss-Prot Number	P25025
Alternative Names	CXCR2; IL8RB; C-X-C chemokine receptor type 2; CXC-R2; CXCR-2; CDw128b; GRO/MGSA receptor; High affinity interleukin-8 receptor B; IL-8R B; IL-8 receptor type 2; CD antigen CD182

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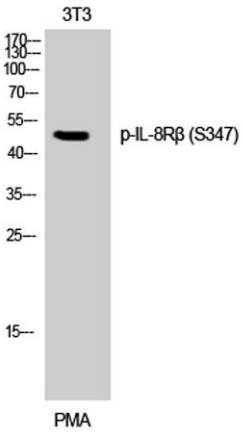
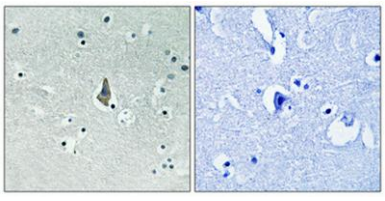
Background

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



Western Blot analysis of 3T3 cells using Phospho-IL-8Rβ (S347) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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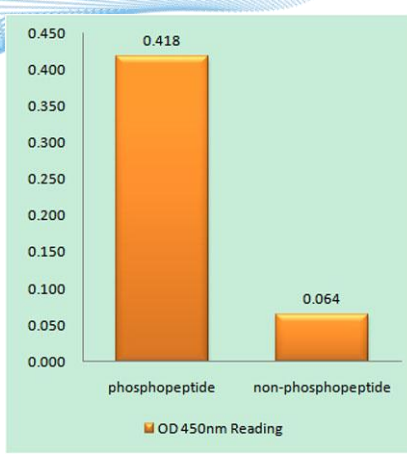
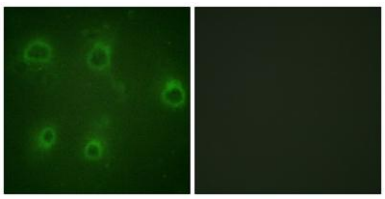


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IL-8R beta/CDw128 beta (Phospho-Ser347) Antibody



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.

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