



Rabbit Anti-CXCR2 antibody

SL4836R

Product Name:	CXCR2
Chinese Name:	细胞表面Chemokine受体2抗体
Alias:	CXC-chemokine receptor 2; CD 182; CD182; CD182 antigen; CDw128b; Chemokine (CXC) receptor 2; CMKAR2; CXCR 2; CXC R2; CXC-R2; CXCR2_HUMAN; C-X-C chemokine receptor type 2; CXCR-2; GRO/MGSA receptor; High affinity interleukin-8 receptor B; IL-8R B; IL-8 receptor type 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800Flow-Cyt=1ug/Test (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CXCR2:61-160/360<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2009].

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.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Post-translational modifications:

Phosphorylated upon ligand binding; which is required for desensitization.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P25025

Gene ID:

3579

Database links:

[Entrez Gene: 3579](#)Human

[Entrez Gene: 12765](#)Mouse

[Entrez Gene: 29385](#)Rat

[Omim: 146928](#)Human

[SwissProt: P25025](#)Human

[SwissProt: P35343](#)Mouse

[SwissProt: P35407](#)Rat

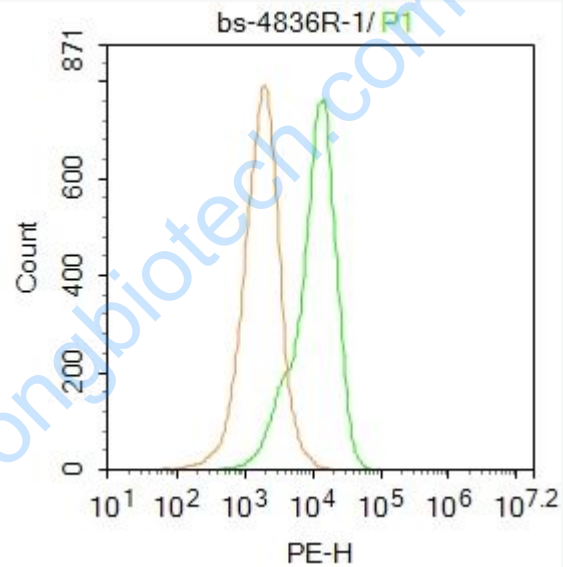
[Unigene: 846](#)Human

[Unigene: 234466](#)Mouse

[Unigene: 90347](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Blank control: HeLa.

Primary Antibody (green line): Rabbit Anti-CXCR2 (SL4836R)

Dilution: 1µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 1µg /test.

Protocol

The cells then incubated in 5%BSA to block non-specific protein-protein

interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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