Rabbit CXCR2 Polyclonal Antibody | anti-CXCR2 antibody

CXCR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75854	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA**

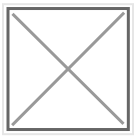
PRODUCT SYNONYMS

CXCR2; Polyclonal Antibody; CXCR2 Antibody; C-X-C chemokine receptor type 2 antibody; CD 182 antibody; CD182 antigen antibody; CDw128b antibody; Chemokine (CXC) receptor 2 antibody; CMKAR2 antibody; CXCR2 antibody; GRO/MGSA receptor antibody; High affinity interleukin-8 receptor B antibody; IL8R B antibody; IL8R2 antibody; IL8RA antibody; Interleukin 8 receptor; beta antibody; type 2 antibody; anti-CXCR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	~0.50 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	360
Applicable Applications for anti-CXCR2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Corresponding to amino acids 18-39 of Human CXCR2 Sequence: EDLSNYSYSSTLPPFLLDAAPC
Expression	Up-regulated by CREB3
Determinant	N-epitope
Molecular Function	G-Protein coupled receptor, Transducer, chemokine receptor activity
Structure	Binds to HIV-1 Tat and interacts with ARRB1
Subcellular Location	Cell membrane; Multi-pass membrane protein
Preparation and Storage	-20°C for long term storage

IMAGES



WB (Western Blot)
Western Blot of CXCR2-201AP and PC-CXCR2.Antibody dilution 1:500 in DiluObuffer

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR2 antibody	Receptor for interleukin-8, binding of IL-8 to the receptor causes the activation of neutrophils. This response is mediated by a G-protein which activates a phosphatidyinositol-calcium second messenger system. Overview: Chemokine (Chemoattractant Cytokines) are small peptides that are potent activators and chemo-attractants for leukocyte subpopulations and other non-hemopoietic cells. Chemokine receptors (CXCR) belong to the super-family of G protein-coupled receptors (GPCR), which regulate the trafficking and activation of leukocytes, and operate as co-receptors in the entry of HIV-1 and proliferation and migration of immature neurons, glia and their precursors (1). Furthermore, chemokine receptors participate in the etiology and progression of various brain disorders, including AIDS dementia, neuro-inflammatory disease and neuroplasia, making them important potential therapeutic targets in these cases. Activation of naïve T cells by specific antigen and cytokines, up-regulate cell adhesion molecules (CAM) as well as chemokine receptors on their surface, which directs them to migrate towards the inflamed tissues. The CXCR receptor protein is approximately 45-55 kDa (405 amino acids) protein which has 7 transmembrane domains, characteristic of G-protein coupled receptors. The protein has putative N-glycosylation sites near the extracellular N-terminal end of the protein. The protein has a large 3rd intracellular loop which interacts with G-proteins. The short carboxy terminal is intracellular and has putative post-translational sites. The Anti-CXCR2-selective antibodies were generated against unique peptide sequence from CXCR2 receptors gene that is expressed only in a CXCR2 receptor subtype. The polyclonal antibodies were affinity purified on an immobilized antigen based affinity chromatography.
Product Categories/Family for anti-CXCR2 antibody	Primary Antibodies; Immunology; Innate Immunity; Chemokines; CXCR2 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1352454
NCBI GeneID	3579
UniProt Accession #	P25025; Q8IUZ1; Q9P2T6; Q9P2T7; AAB24742; AAA15417
Molecular Weight	Predicted: 55 kDa
NCBI Official Full Name	C-X-C chemokine receptor type 2
NCBI Official Synonym Full Names	C-X-C motif chemokine receptor 2
NCBI Official Symbol	CXCR2
NCBI Official Synonym Symbols	CD182; IL8R2; IL8RA; IL8RB; CMKAR2; CDw128b
NCBI Protein Information	C-X-C chemokine receptor type 2
UniProt Protein Name	C-X-C chemokine receptor type 2
UniProt Gene Name	**CXCR2**
UniProt Synonym Gene Names	IL8RB; CXC-R2; CXCR-2; IL-8R B
UniProt Entry Name	CXCR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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