

Product datasheet for **TA321370**

CXCR2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human serum
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 18-39 amino acids of Human Chemokine (C-X-C motif) receptor 2
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	C-X-C motif chemokine receptor 2
Database Link:	NP_001548 Entrez Gene 3579 Human P25025



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Background:

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.

Synonyms:

CD182; CDw128b; CMKAR2; IL8R2; IL8RA; IL8RB

Protein Families:

Druggable Genome, GPCR, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 µg

Lane: Human serum

Primary antibody: TA321370 (CXCR2 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 minutes