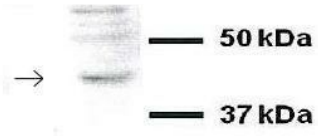
IL8RB antibody - N-terminal region (ARP41956_P050) Data Sheet

Product Number	ARP41956_P050
Product Name	IL8RB antibody - N-terminal region (ARP41956_P050)
Size	50ug
Gene Symbol	CXCR2
Alias Symbols	CD182; CDw128b; CMKAR2; CXCR2; IL8R2; IL8RA; IL8RB
Nucleotide Accession#	NM_001557
Protein Size (# AA)	360 amino acids
Molecular Weight	41kDa
Product Format	Lyophilized powder
NCBI Gene Id	3579
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Chemokine (C-X-C motif) receptor 2
Gene Family	CD
Description	This is a rabbit polyclonal antibody against IL8RB. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region: MEDFNMESDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPCEPESLEINKYF
Target Reference	Gauvreau,G.M., (2008) Am. J. Respir. Crit. Care Med. 177 (9), 952-958
Description of Target	IL8RB is the 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. IL8RB binds to IL-8 with high affinity. IL8RB also binds with high affinity to CXCL3, GRO/MGSA and NAP-2.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Reconstitution and Storage	Add 50 ul of distilled water. Final anti-IL8RB antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-IL8RB antibody is Catalog # AAP41956 (Previous Catalog # AAPP24492)
Immunogen	The immunogen for anti-IL8RB antibody: synthetic peptide directed towards the N terminal of human IL8RB
Swissprot Id	P25025
Protein Name	C-X-C chemokine receptor type 2
Protein Accession #	NP_001548
Purification	Affinity Purified
Species Reactivity	Human
Application	WB
Predicted Homology Based on Immunogen Sequence	Human: 100%

	Human cystic fibrosis epitheial IL-8RB

Image 1	 See Immunoblot 2 Data and customer Feedback for more Information	Human cystic fibrosis epitheial

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