

Chemokine Receptor D6 rabbit pAb**Cat#: orb764843 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	Chemokine Receptor D6 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;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 CCBP2. AA range:335-384
Specificity	Chemokine Receptor D6 Polyclonal Antibody detects endogenous levels of Chemokine Receptor D6 protein.
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	Chemokine-binding protein 2
Gene Name	CCBP2
Cellular localization	Early endosome. Recycling endosome. Cell membrane; Multi-pass membrane protein. Predominantly localizes to endocytic vesicles, and upon stimulation by the ligand is internalized via clathrin-coated pits. Once internalized, the ligand dissociates from the receptor, and is targeted to degradation while the receptor is recycled back to the cell membrane.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

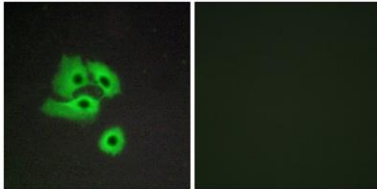
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	34kD
Human Gene ID	1238
Human Swiss-Prot Number	O00590
Alternative Names	CCBP2; CCR10; CMKBR9; Chemokine-binding protein 2; C-C chemokine receptor D6; Chemokine receptor CCR-10; Chemokine receptor CCR-9; Chemokine-binding protein D6

Background

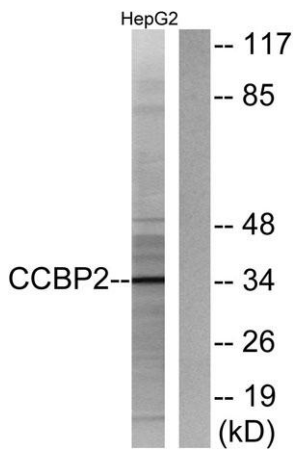
This gene encodes a beta chemokine receptor, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptor-mediated signal transduction are critical for the recruitment of effector immune cells to the inflammation site. This gene is expressed in a range of tissues and hemopoietic cells. The expression of this receptor in lymphatic endothelial cells and overexpression in vascular tumors suggested its function in chemokine-driven recirculation of leukocytes and possible chemokine effects on the development and growth of vascular tumors. This receptor appears to bind the majority of beta-chemokine family members; however, its specific function remains unknown. This gene is mapped to chromosome 3p21.3, a region that includes a cluster of chemokine receptor genes. [provided by RefSeq, Jul 2008],



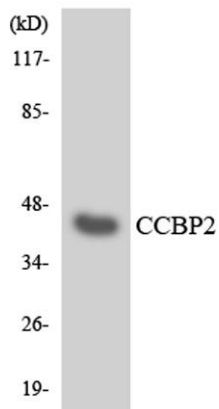
Western Blot analysis of various cells using Chemokine Receptor D6 Polyclonal Antibody



Immunofluorescence analysis of COS7 cells, using CCBP2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using CCBP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using CCBP2 antibody.