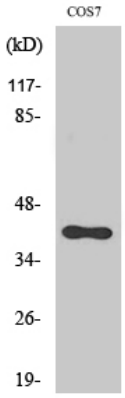
CXCR-7 Polyclonal Antibody

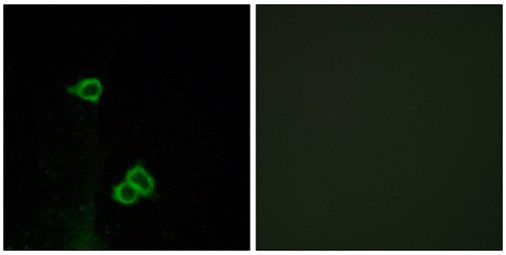
Catalog No	YP-Ab-13189
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IF;ELISA
Gene Name	CXCR7
Protein Name	C-X-C chemokine receptor type 7
Immunogen	The antiserum was produced against synthesized peptide derived from human CXCR7. AA range:311-360
Specificity	CXCR-7 Polyclonal Antibody detects endogenous levels of CXCR-7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CXCR7; CMKOR1; GPR159; RDC1; C-X-C chemokine receptor type 7; CXC-R7; CXCR-7; Chemokine orphan receptor 1; G-protein coupled receptor 159; G-protein coupled receptor RDC1 homolog; RDC-1
Observed Band	41kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Early endosome . Recycling endosome . Predominantly localizes to endocytic vesicles, and upon stimulation by the ligand is internalized via clathrin-coated pits in a beta-arrestin-dependent manner. Once internalized, the ligand dissociates from the receptor, and is targeted to degradation while the receptor is recycled back to the cell membrane. .
Tissue Specificity	Expressed in monocytes, basophils, B-cells, umbilical vein endothelial cells (HUVEC) and B-lymphoblastoid cells. Lower expression detected in CD4+ T-lymphocytes and natural killer cells. In the brain, detected in endothelial cells and capillaries, and in mature neurons of the frontal cortex and hippocampus. Expressed in tubular formation in the kidney. Highly expressed in astroglial tumor endothelial, microglial and glioma cells. Expressed at low levels in normal CD34+ progenitor cells, but at very high levels in several myeloid malignant cell lines. Expressed in breast carcinomas but not in normal breast tissue (at protein level).
Function	caution:Was originally (PubMed:1675791) thought to be the receptor for VIP.,function:Receptor for CXCL12/SDF1. Acts as coreceptor with CXCR4 for a restricted number of HIV isolates.,online information:CXC chemokine receptors

	entry,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in monocytes, basophils, and B-cells. Lower expression in CD4+ T-lymphocytes and natural killer cells.,
Background	This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

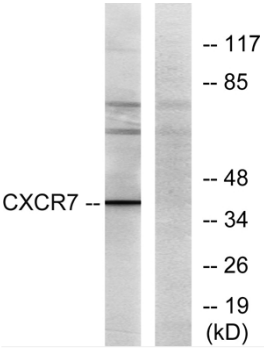
Products Images



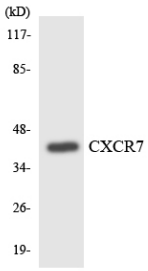
Western Blot analysis of various cells using CXCR-7 Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of COS7 cells, using CXCR7 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using CXCR7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7cells using CXCR7 antibody.