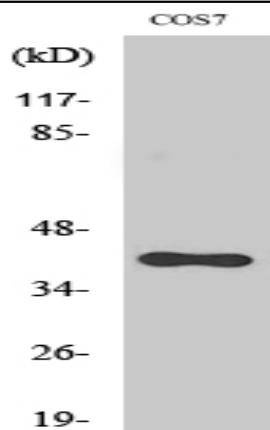


CXCR-7 Polyclonal Antibody

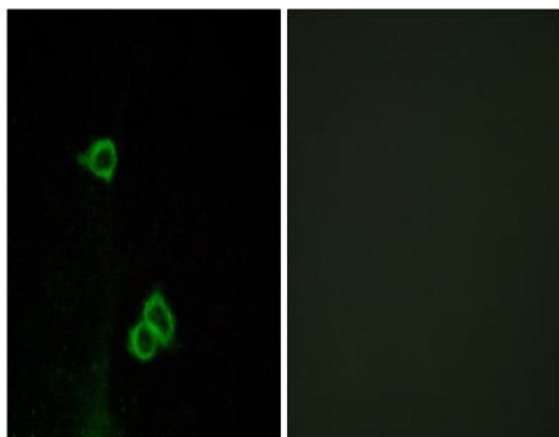
Catalog No :	YT1162
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;IF;ELISA
Target :	CXCR-7
Fields :	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor
Gene Name :	CXCR7
Protein Name :	C-X-C chemokine receptor type 7
Human Gene Id :	57007
Human Swiss Prot No :	P25106
Mouse Gene Id :	12778
Mouse Swiss Prot No :	P56485
Rat Gene Id :	84348
Rat Swiss Prot No :	O89039
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
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	41kD
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],
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.,
Subcellular Location :	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. .
Expression :	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).

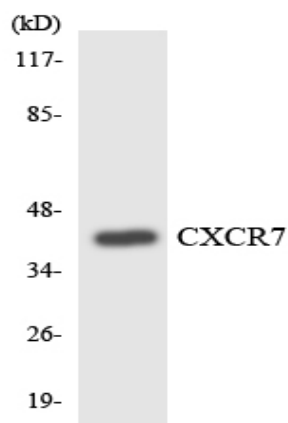
Products Images



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 the lysates from RAW264.7 cells using CXCR7 antibody.