Anti-GPCR RDC1/CXCR-7 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010795

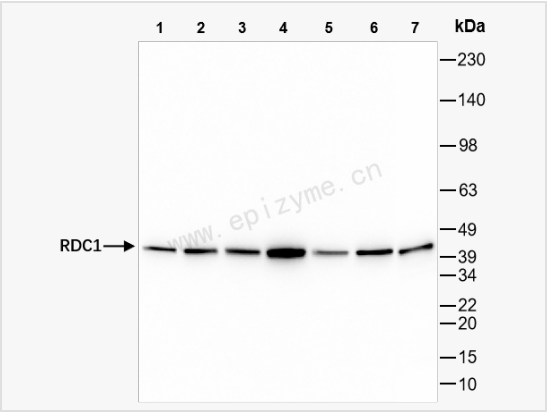
Product Information

Application	WB, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	93M04K62
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GPCR RDC1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GPCR RDC1/CXCR-7 Rabbit mAb [93M04K62] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CMKOR1; CXCR7; GPR159; RDC1; ACKR3; Atypical chemokine receptor 3; C-X-C chemokine receptor type 7; Chemokine orphan receptor 1; G-protein coupled receptor 159; G-protein coupled receptor RDC1 homolog; CXC-R7; CXCR-7; RDC-1.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 42 kDa
Uniprot ID	P25106
Gene ID	57007
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]
Cellular 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.
Tissue Location	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

Validation Images



Western Blot - Anti-GPCR RDC1/CXCR-7 Rabbit mAb [93M04K62]
All lanes: R010795 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 42 kDa
Observed band size: 42 kDa
Developed using the ECL technique (Cat. No. SQ201).