

CXCR-7 (PT1221R) PT™ Rabbit mAb

CatalogNo: YM9063 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 41kD (Calculated)
- 42kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT1221R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CXCR7

Protein Name C-X-C chemokine receptor type 7

Organism	Gene ID	UniProt ID
Human	57007 ;	P25106 ;
Mouse	12778 ;	P56485 ;
Rat	84348 ;	O89039 ;

Cellular Localization

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. .

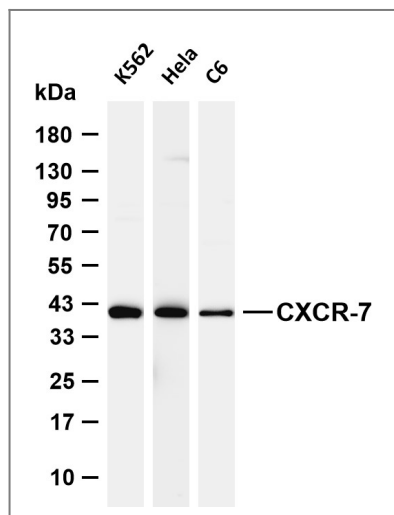
Tissue specificity

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).

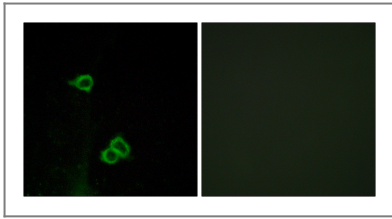
Function

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.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CXCR-7 (PT1221R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: HeLa Lane 3: C6 Predicted band size: 41kDa Observed band size: 42kDa



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

Contact information

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PT™ Rabbit mAb

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