Datasheet for ABIN1106858

anti-CXCR4 antibody (C-Term)

3 Images

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Overview

Quantity:	50 µg
Target:	CXCR4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide from Human CXCR4. Epitope: C-Terminus
Isotype:	IgG
Specificity:	This antibody detects endogenous levels of total CXCR4 protein.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	CXCR4

Target Details

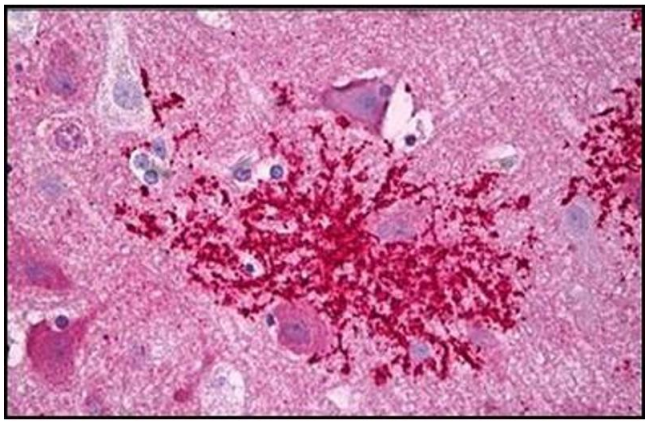
Alternative Name:	CD184 / CXCR4 (CXCR4 Products)
Background:	CXCR4, a Chemokine Receptor involved in organ vascularization, neuronal cell migration, and patterning of the central nervous system during development. It binds stromal cell-derived factor 1 (SDF1, also called PBFS) and mediates migration of resting leukocytes and is unique in homing hematopoietic progenitors to bone marrow. These properties suggest that CXCR4 is involved in tumor cell migration and local tumor invasion. It is also an HIV-1 fusion co-factor that allows HIV-1 invasion in diverse human cell types. Although this receptor was initially called Neuropeptide Y3 Receptor, it does not respond to neuropeptide Y. CXCR4 has two isoforms that are produced by alternative splicing.Synonyms: C-X-C chemokine receptor type 4, CXC-R4, CXCR-4, FB22, Fusin, HM89, LCR1, LESTR, Leukocyte-derived seven transmembrane domain receptor, NPYRL, SDF1 receptor, Stromal cell-derived factor 1 receptor
Gene ID:	7852
NCBI Accession:	NP_001008540
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

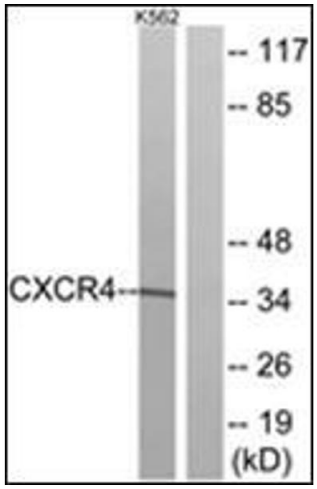
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM Sodium Chloride, 50 % Glycerol, 0.02 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



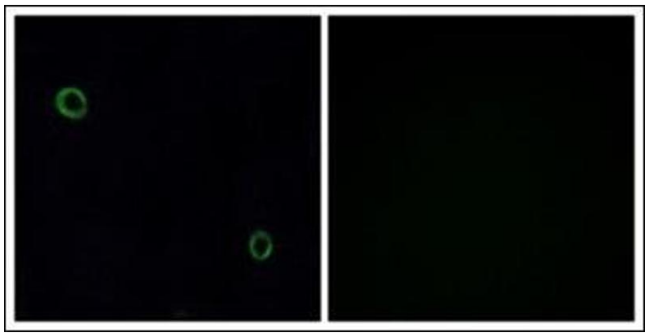
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Brain, Astrocytes Microglia: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blotting

Image 2. Western blot analysis of extracts from K562 cells, using CXCR4 Antibody. The lane on the right is treated with the synthesized peptide.



Immunofluorescence

Image 3. Immunofluorescence analysis of A549 cells, using CXCR4 Antibody. The picture on the right is treated with the synthesized peptide.

