Datasheet for ABIN614959

anti-CXCR4 antibody (Extracellular Domain, N-Term)

3 Images

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Overview

Quantity:	50 µg
Target:	CXCR4
Binding Specificity:	AA 14-40, Extracellular Domain, N-Term
Reactivity:	Human, Mouse, Xenopus laevis
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Sequence corresponding to the N-terminal extracellular domain of Mouse CXCR4 receptor. Epitope: aa14-40 Genename: CXCR4
Sequence:	YSEEVGSGDY DSNKEPCFRD ENVHFNR
Specificity:	This antibody binds to CXCR4 receptor on Mouse spleen leukocytes as determined by Immunocytochemistry.
Cross-Reactivity (Details):	Species reactivity (expected):Xenopus, Human. Species reactivity (tested):Mouse
Purification:	Immunoaffinity Chromatography

Target Details

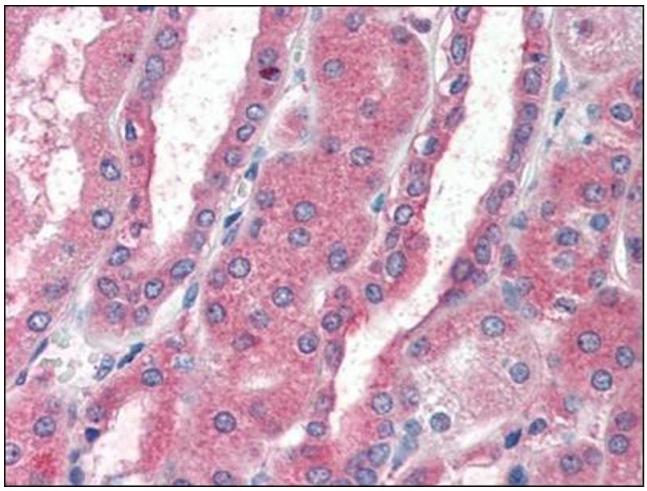
Target:	CXCR4
Alternative Name:	CD184 / CXCR4 (CXCR4 Products)
Background:	CXCR4, a Chemokine Receptor involved in organ vascularization, neuronal cell migration, and patterning of the central nervous system during development. It binds stromal cell-derived factor 1 (SDF1, also called PBFS) and mediates 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
UniProt:	P61073
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

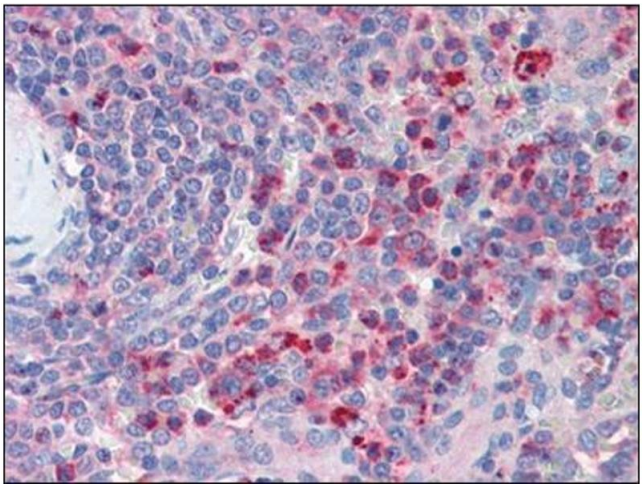
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide, 1 mg/mL BSA
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 undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



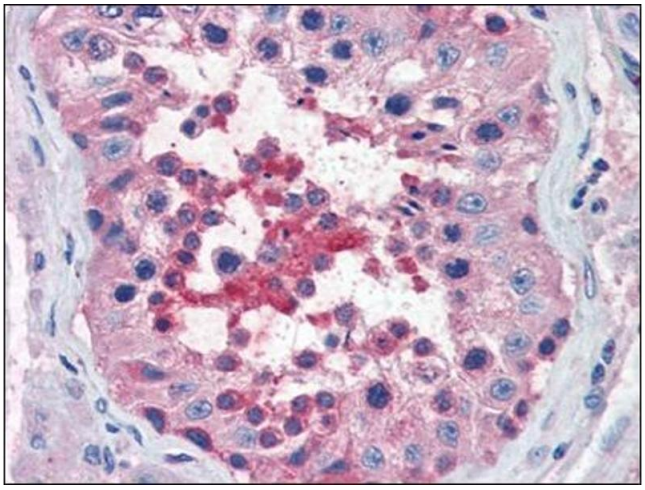
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Kidney (formalin-fixed, paraffin-embedded) stained with CXCR4at 5 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Spleen (formalin-fixed, paraffin-embedded) stained with CXCR4at 5 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Human Testis (formalin-fixed, paraffin-embedded) stained with CXCR4at 5 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.