

Datasheet for ABIN461996

anti-CXCR4 antibody (AA 14-40)**4** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CXCR4
Binding Specificity:	AA 14-40
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	YSEEVGSGDYDSNKEPCFRDENVHFNR corresponding to the N-terminal extracellular domain of mouse CXCR4 receptor. Percent identity by BLAST analysis: Mouse (100%), Rat (93%), Baboon, Monkey, Marmoset, Elephant, Rabbit (81%).
Specificity:	This antibody binds to CXCR4 receptor on mouse spleen leukocytes as determined by immunocytochemistry.
Predicted Reactivity:	Percent identity by BLAST analysis: Mouse (100%) Rat (93%) Baboon, Monkey, Marmoset, Elephant, Rabbit (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	<p>Name/Gene ID: CXCR4</p> <p>Subfamily: Chemokine</p> <p>Family: GPCR</p> <p>Synonyms: CXCR4, CD184, CD184 antigen, Cmkar4, Cxc chemokine receptor 4, CXCR-4, CXCR4, D2S201E, FB22, Fusin, HM89, LCR1, NPY3R, NPYRL, NPY3R, Npyy3, HSY3RR, SDF-1 receptor, WHIM, C-x-c chemokine receptor 4, LESTR, Neuropeptide Y receptor Y3, NPYR</p>
Gene ID:	7852
UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events

Application Details

Application Notes:	<p>Approved: ELISA (1:25000), IHC, IHC-P (5 µg/mL), WB (1:500)</p> <p>Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.</p>
Comment:	Target Species of Antibody: Mouse
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Phosphate buffered saline, 1 mg/mL BSA, 0.1 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

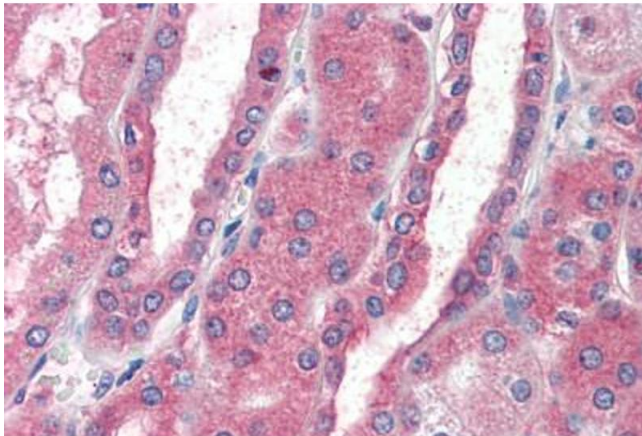
should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C, -20 °C

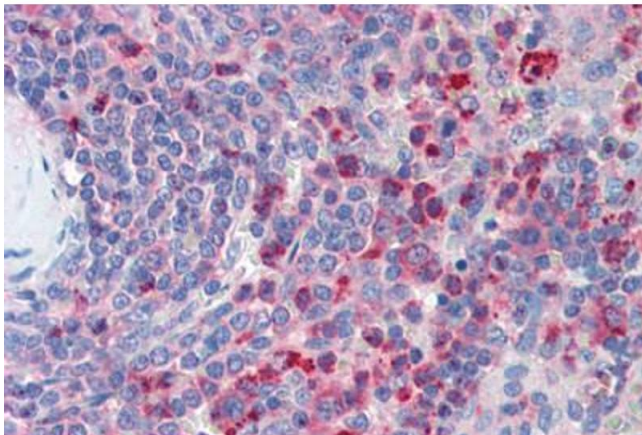
Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.

Images



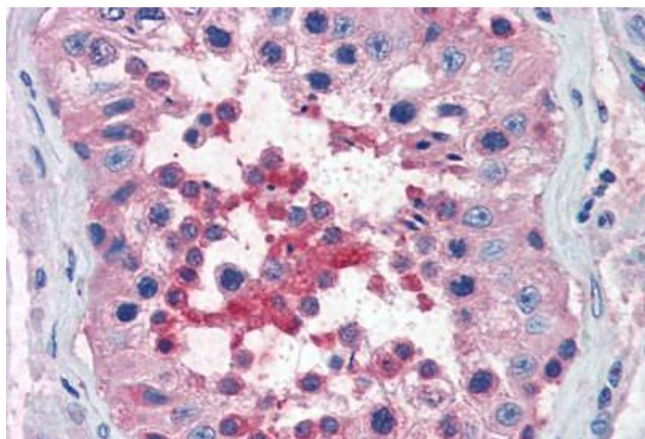
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Kidney (formalin-fixed, paraffin-embedded) stained with CXCR4 antibody ABIN461996 at 5 ug/ml followed by biotinylated anti-goat IgG secondary antibody ABIN481715, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Spleen (formalin-fixed, paraffin-embedded) stained with CXCR4 antibody ABIN461996 at 5 ug/ml followed by biotinylated anti-goat IgG secondary antibody ABIN481715, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Human Testis (formalin-fixed, paraffin-embedded) stained with CXCR4 antibody ABIN461996 at 5 ug/ml followed by biotinylated anti-goat IgG secondary antibody ABIN481715, alkaline phosphatase-streptavidin and chromogen.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN461996.