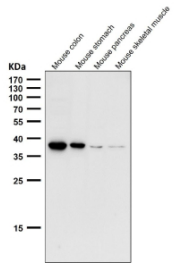
CXCR6 Antibody / C-X-C chemokine receptor type 6 / CD186 [clone 31C52] (FY12643)

Catalog No.	Formulation	Size
FY12643	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

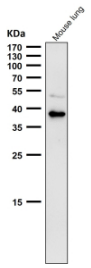
Recombinant RABBIT MONOCLONAL

Bulk quote request

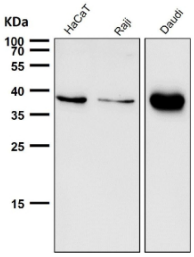
Availability	2-3 weeks
Species Reactivity	Human
Format	Liquid
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	31C52
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	O00574
Applications	Western Blot : 1:500-1:2000
Limitations	This CXCR6 antibody is available for research use only.



All lanes use the CXCR6 antibody at 1:1000 dilution for 1 hour at room temperature. Predicted molecular weight ~39 kDa.



Mouse lung tissue lysate western blot tested with CXCR6 antibody at 1:1000 dilution for 1 hour at room temperature. Predicted molecular weight ~39 kDa.



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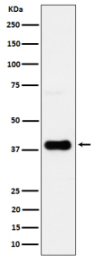

Western blot analysis of CXCR6/CD186 expression in human JAR cell lysate using CXCR6 antibody. Predicted molecular weight ~39 kDa.

Description

CXCR6 antibody detects C-X-C chemokine receptor type 6, a G protein coupled receptor encoded by the CXCR6 gene. CXCR6 binds the chemokine ligand CXCL16, mediating chemotaxis and adhesion of T cells, natural killer T cells, and other immune populations. It is highly expressed in liver, lung, and inflamed tissues, where it regulates immune surveillance, inflammation, and host-pathogen interactions.

CXCR6 antibody is widely applied in immunology, oncology, and infectious disease research. In immunity, CXCR6 guides tissue resident memory T cells and NKT cells to inflamed sites, supporting pathogen defense and tissue homeostasis. In cancer, CXCR6 expression is associated with tumor infiltrating lymphocytes and modulation of the tumor microenvironment. By detecting CXCR6, researchers can study how chemokine receptors regulate immunity and disease progression.

Flow cytometry distinguishes CXCR6 positive lymphocyte subsets in blood and tissues. Immunohistochemistry maps expression in liver, lung, and tumors, while immunofluorescence highlights surface localization on immune cells. These applications provide versatile tools for studying chemokine receptor biology.

CXCR6 also plays roles in viral infection and chronic inflammation. It serves as a co-receptor for HIV entry into cells and contributes to pathogenesis of liver disease. By applying CXCR6 antibody, scientists can investigate receptor function in immune surveillance, infection, and cancer immunity.

CXCR6 antibody from NSJ Bioreagents provides strong specificity for detecting this chemokine receptor across research platforms. Its proven reliability ensures accurate detection in immunology and translational studies.

Application Notes

Optimal dilution of the CXCR6 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human CXCR6 / CD186 was used as the immunogen for the CXCR6 antibody.

Storage

Store the CXCR6 antibody at -20oC.