

CXCR4 antibody

Product Information

Catalog No.:	FNab10437
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

C-X-C chemokine receptor type 4 (CXCR4) is a widely expressed G protein-coupled seven-transmembrane receptor. CXCL12/SDF-1 is the biological ligand for CXCR4. The binding of CXCL12 to CXCR4 induces intracellular signaling through several divergent pathways initiating signals related to chemotaxis, cell survival and/or proliferation, increase in intracellular calcium, and gene transcription (PMID: 20484021). CXCR4 also functions as a coreceptor for HIV-1 entry (PMID: 9427609). CXCR4 has a calculated molecular weight of 40 kDa. In addition to the predicted species of 45-47 kDa for glycosylated CXCR4 monomers, due to ubiquitination, dimerization, and different degrees of glycosylation, additional species can also exist and have been reported in some researches, including 67 kDa (PMID: 23917520), 55, 67, 87 kDa (PMID: 20028517), 80 kDa (PMID: 10506573), 47, 50, 62, and 98 kDa (PMID: 16204649).

Immunogen information

Immunogen:	chemokine (C-X-C motif) receptor 4
Synonyms:	C-X-C chemokine receptor type 4 (CXC-R4, CXCR-4) FB22 Fusin HM89 LCR1 Leukocyte-derived seven transmembrane domain receptor (LESTR) Lipopolysaccharide-associated protein 3 (LAP-3, LPS-associated protein 3) NPYRL Stromal cell-derived factor 1 receptor (SDF-1 receptor) CXCR4
Observed MW:	40 kDa, 55 kDa
Uniprot ID :	P61073

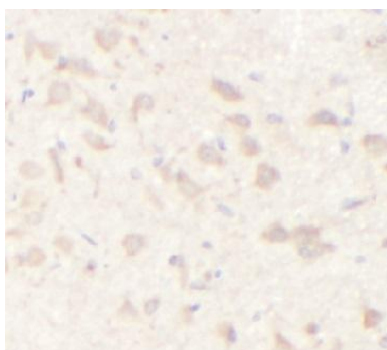
Application

Reactivity: Human, Rat

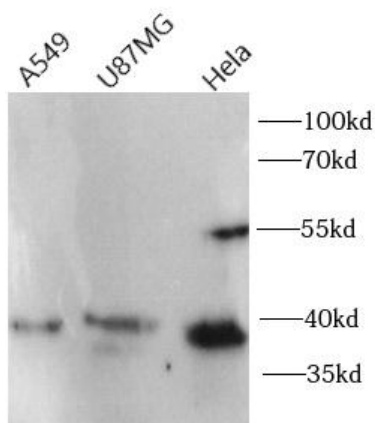
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded rat brain tissue slide using FNab10437(CXCR4 Antibody) at dilution of 1:50



Various lysates were subjected to SDS PAGE followed by western blot with FNab10437(CXCR4 Antibody) at dilution of 1:1000