

Allgemeine Informationen

Katalog-Nr.: 11073-2-AP	GenBank-Zugangsnummer: BC020968	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 750 µg/ml von Nanodrop;	GeneID (NCBI): 7852	Empfohlene Verdünnungen: WB 1:500-1:2000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: chemokine (C-X-C motif) receptor 4	
Isotyp: IgG	Berechnete Masse: 352 aa, 40 kDa	
Immunogen Katalognummer: AG1528	Beobachtete Masse: 60-70 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, IP, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: IF, IHC, IP, WB	WB: Rattenmilzgewebe, HeLa-Zellen, Jurkat-Zellen, Mausmilzgewebe
Getestete Reaktivität: Human, Maus, Ratte	IP: HeLa-Zellen,
Zitierte Arten: Human, Maus, Ratte	IHC: humanes Tonsillitisgewebe, Mausmilzgewebe
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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, dimeration, 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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Guangjie Zhao	36163180	Cell Death Discov	WB
Dali Zhao	34555268	FEBS Open Bio	WB
Yuji Fukushima	36130493	Cell Rep	WB,IP

Lagerung

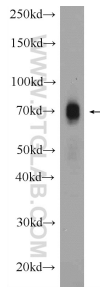
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

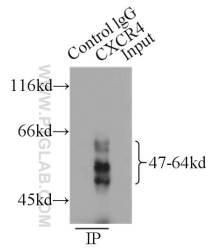
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

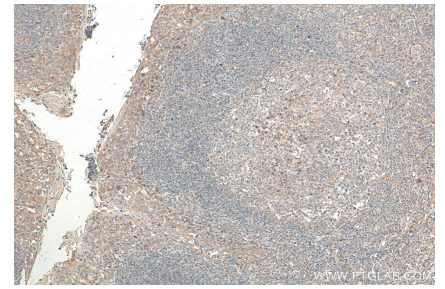
Ausgewählte Validierungsdaten



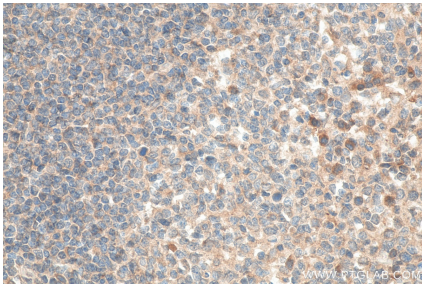
rat spleen tissue were subjected to SDS PAGE followed by western blot with 11073-2-AP (CXCR4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-CXCR4 (IP:11073-2-AP, 3ug; Detection:11073-2-AP 1:500) with HeLa cells lysate 1000ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11073-2-AP (CXCR4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11073-2-AP (CXCR4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).