

À des fins de recherche uniquement

Anticorps Monoclonal anti-CXCR4

Numéro de catalogue: 60042-1-Ig

Phare

36 Publications



Informations de base

Numéro de catalogue:

60042-1-Ig

Numéro d'acquisition GenBank:

BC020968

Méthode de purification:

Précipitation de l'acide caprylique/du sulfate d'ammonium

Taille:

150ul , Concentration: 1500 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

7852

CloneNo.:

4B5E4

Hôte:

Mouse

Nom complet:

chemokine (C-X-C motif) receptor 4

Dilutions recommandées:

WB 1:1000-1:4000

IHC 1:300-1:1200

Isotype:

IgM

MW calculé

352 aa, 40 kDa

MW observés:

60-70 kDa

Immunogen Catalog Number:

AG1528

Applications

Applications testées:

FC, IHC, WB, ELISA

Demandes citées:

CoIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules HeLa, cellules Daudi, cellules Jurkat, cellules K-562, cellules Ramos, cellules THP-1, cellules U-937

IHC : tissu d'amygdalite humaine, tissu cérébral de souris, tissu de cancer de la prostate humaine, tissu de cancer du sein humain, tissu splénique de souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Yibin Zhao	34540665	Front Oncol	WB
Jianjun Ma	36368650	Biochim Biophys Acta Mol Basis Dis	IF
Rui Liu	26459497	Mol. Med Rep	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,1 % et glycérol à 50 % pH 7,3

L'aliquote n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

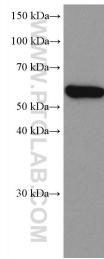
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

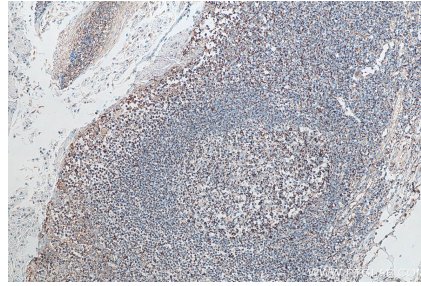
E: proteintech@ptglab.com
W: ptglab.com

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

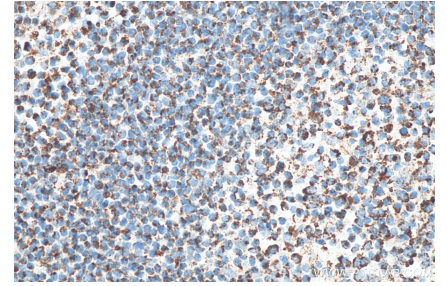
Données de validation sélectionnées



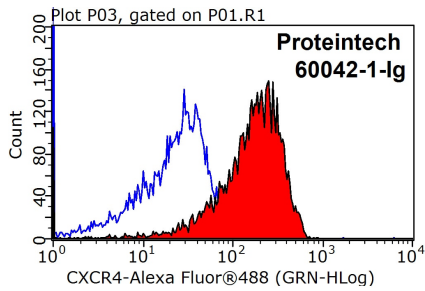
HeLa cells were subjected to SDS PAGE followed by western blot with 60042-1-Ig (CXCR4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60042-1-Ig (CXCR4 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60042-1-Ig (CXCR4 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ Jurkat cells were stained with 0.2ug CXCR4 antibody (60042-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.