

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CD45



Numéro de catalogue: 20103-1-AP

73 Publications

Informations de base

Numéro de catalogue:

20103-1-AP

Taille:

150ul, Concentration: 450 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG13712

Numéro d'acquisition GenBank:

BC014239

Identification du gène (NCBI):

5788

Nom complet:

protein tyrosine phosphatase, receptor type, C

MW calculé

1304 aa, 147 kDa

MW observés:

180-220 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:50000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:1000-1:6000

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

FC, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Humain, poulet, rat, souris

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

Contrôles positifs:

WB : cellules Jurkat, tissu de thymus de rat, tissu de thymus de souris, tissu splénique de souris

IP : tissu splénique de souris,

IHC : tissu de côlon humain, tissu d'amygdalite humaine, tissu d'appendicite humaine, tissu de cancer du foie humain, tissu pulmonaire de souris

IF : tissu d'amygdalite humaine,

Informations générales

CD45, also known as leukocyte common antigen (LCA), B220, and T200, is a 180-240 kD single-chain type I membrane glycoprotein. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation. CD45 is one of the best negative selection markers for characterizing and/or isolating human mesenchymal stem cells from bone marrow and other sources. Along with the positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification.

Publications notables

Autrice	Pubmed ID	Journal	Application
Qingrong Zhang	34655915	Colloids Surf B Biointerfaces	IHC
Xiaoliang Hua	34659199	Front Immunol	IHC
Xiuyue Song	36171979	J Tissue Eng	IF,FC

Stockage

Stockage:

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

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

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

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

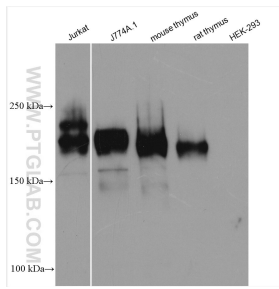
For technical support and original validation data for this product please contact:

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

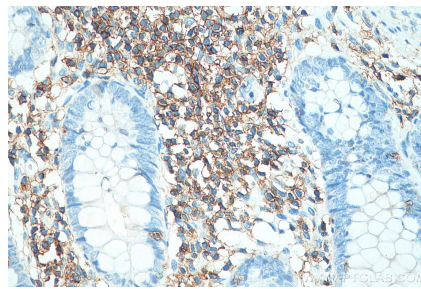
E: proteintech@ptglab.com
W: ptglab.com

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

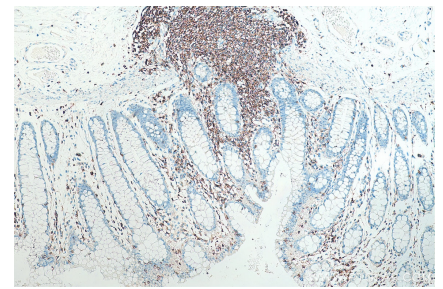
Données de validation sélectionnées



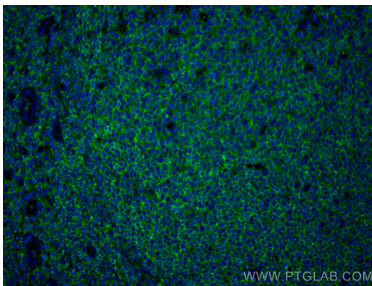
Various lysates were subjected to SDS PAGE followed by western blot with 20103-1-AP (CD45 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



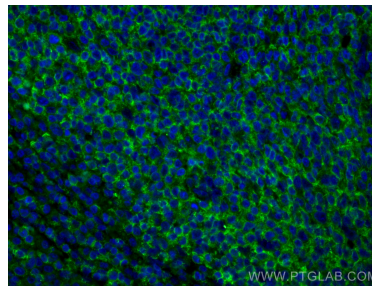
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 20103-1-AP (CD45 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



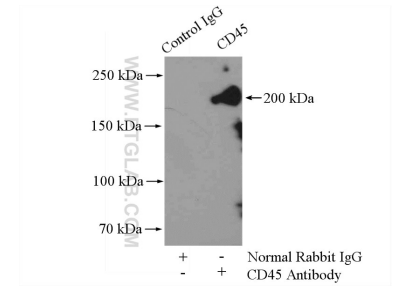
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 20103-1-AP (CD45 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



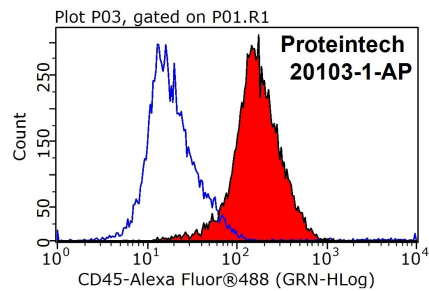
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD45 antibody (20103-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD45 antibody (20103-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-CD45 (IP:20103-1-AP, 4ug; Detection:20103-1-AP 1:300) with mouse spleen tissue lysate 4800ug.



1×10^6 Jurkat cells were stained with 0.5ug CD45 antibody (20103-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.