À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CD13

Numéro de catalogue:14553-1-AP 7 Publications

Informations de base

Numéro de catalogue:
14553-1-AP

Taille:
150ul , Concentration: 350 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG5976

Numéro d'acquisition GenBank:
BC058928

Identification du gène (NCBI):
290

Nom complet:
alanyl (membrane) aminopeptidase

MW calculé
110 kDa

MW observés:
150 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 HepG2, cellules PC-3, cellules THP-1, tissu hépatique de souris, tissu hépatique humain, tissu rénal de souris, tissu rénal humain

IHC : tissu d'amygdalite humain, tissu de côlon humain, tissu rénal humain

IF : tissu rénal de souris,

Informations générales

CD13, also named as APN, ANPEP(aminopeptidase N) or PEPN, is belongs to the peptidase M1 family. CD13 is a heavily glycosylated, ~150-240 kDa, type-II membrane, expressed by most cells of myeloid origin including monocytes, macrophages, granulocytes, and their hematopoietic precursors. It is also abundantly expressed in the brush border of epithelial cells from renal proximal tubules and small intestine, in prostatic epithelial cells, in bile duct canaliculi, in mast cells, and, in some cases, in fibroblasts and smooth muscle cells. CD13 is a multifunctional protein and plays varying roles in cell migration, cell proliferation, cell differentiation and so on. CD13 participates in angiogenesis generating and modulating angiogenic signals, and can be a marker of angiogenic vessels. CD13 is also a pan-myeloid marker, present on mature granulocytes and monocytes. (PMID: 8805662, 10098327, 18603472, 18097955, 17897790, 17888402, 21339174)

Publications notables

Autrice	Pubmed ID	Journal	Application
Shion Osana	33091420	Exp Cell Res	IF
Yang Gu	34649567	Mol Cancer	WB
Weizhi Wang	25370073	Anal Chem	

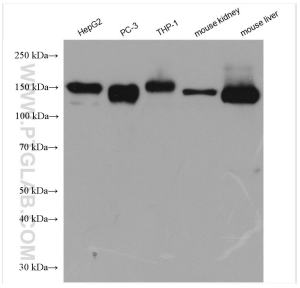
Stockage

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

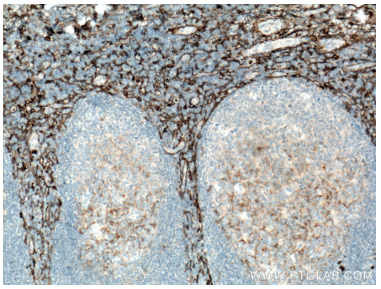
*** Les 20ul contiennent 0,1% de BSA.

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

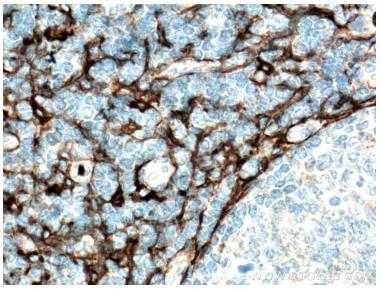
Données de validation sélectionnées



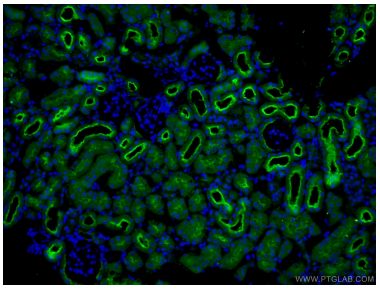
Various lysates were subjected to SDS PAGE followed by western blot with 14553-1-AP (CD13 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



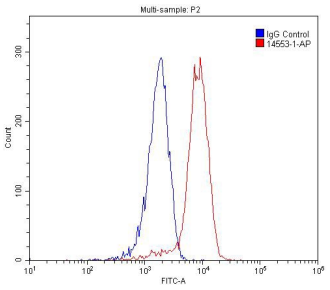
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14553-1-AP (CD13 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14553-1-AP (CD13 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using 14553-1-AP (CD13 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HEK-293 cells were stained with 0.2ug CD13 antibody (14553-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.