À des fins de recherche uniquement

Anticorps Monoclonal anti-B7-H3

Numéro de catalogue:66481-1-Ig Phare 7 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66481-1-Ig

Taille:
150ul , Concentration: 1500 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG6006

Numéro d'acquisition GenBank:
BC062581

Identification du gène (NCBI):
80381

Nom complet:
CD276 molecule

MW calculé
57 kDa

MW observés:
100 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1E7D1

Dilutions recommandées:
WB 1:1000-1:6000
IHC 1:2500-1:10000
IF 1:50-1:500

Applications

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

Demandes citées:
CoIP, FC, IHC, IP, WB

Spécificité de l'espèce:
Humain, porc

Espèces citées:
Humain

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 HEK-293, cellules A431, cellules PC-3

IHC : tissu d'amygdalite humain, tissu de cancer de la prostate humain, tissu de cancer du poumon humain, tissu placentaire humain

IF : tissu d'amygdalite humain,

Informations générales

B7-H3 (CD276) is a type I transmembrane protein expressed on many tissues and cell types. B7-H3 is a 100-kDa glycoprotein that belongs to the B7 immunoregulatory family and participates in the regulation of T-cell-mediated immune response probably by functioning as both a T cell costimulator and coinhibitor (PMID: 25567370; 20696859). Overexpressed on a wide range of human solid cancers, B7-H3 has been implicated in cancer progression and metastasis and becomes an attractive target for cancer immunotherapy (PMID: 27208063).

Publications notables

Autrice	Pubmed ID	Journal	Application
Meiyun Sun	35003371	J Cancer	WB,CoIP
Shasha Zhao	35768165	J Immunother Cancer	WB,FC
Yingzhen Gao	35752862	J Transl Med	IP

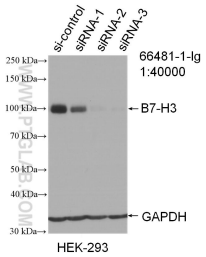
Stockage

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

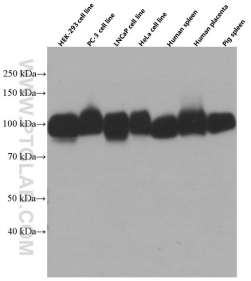
***** Les 20ul contiennent 0,1% de BSA.**

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

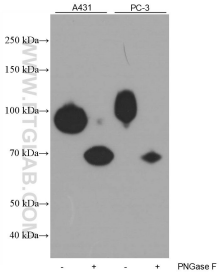
Données de validation sélectionnées



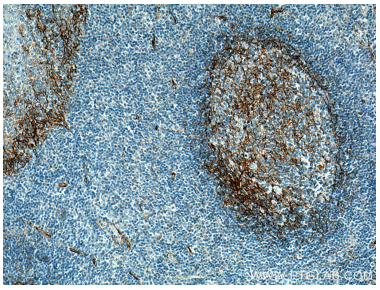
WB result of B7-H3 antibody (66481-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with normal HEK-293 (sh-control) and three independent sh-B7-H3 transfected HEK-293 cells.



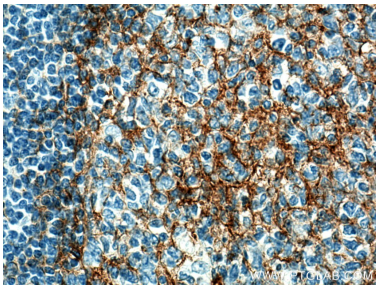
HEK-293, PC-3, LNCaP, HeLa cells, and human spleen, human placenta, pig spleen tissues were subjected to SDS PAGE followed by western blot with 66481-1-Ig (B7-H3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



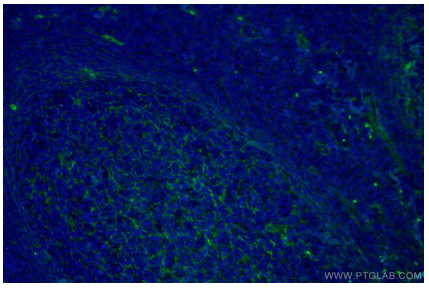
Untreated and PNGase F-treated lysates of A431 cells and PC-3 cells were subjected to SDS PAGE followed by western blot with 66481-1-Ig (B7-H3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



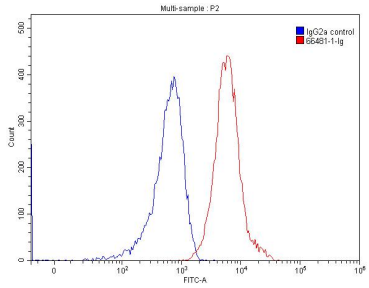
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66481-1-Ig (B7-H3 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66481-1-Ig (B7-H3 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66481-1-Ig (B7-H3 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 HEK-293 cells were stained with 0.20ug B7-H3 antibody (66481-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.