

For Research Use Only

B7-H3/CD276 Polyclonal antibody

Catalog Number: 30052-1-AP



Basic Information

Catalog Number: 30052-1-AP	GenBank Accession Number: NM_001024736	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 80381	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q5ZPR3	
Isotype: IgG	Full Name: CD276 molecule	
	Calculated MW: 57 kDa	
	Observed MW: 95-100 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, LNCaP cells, U2OS cells IHC : human lung cancer tissue, IF : HEK-293 cells,
Species Specificity: Human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

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).

Storage

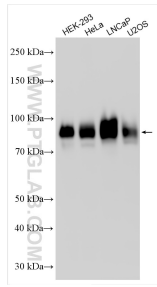
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

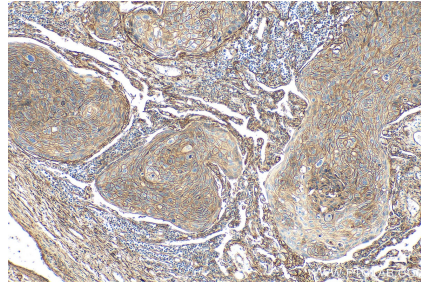
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

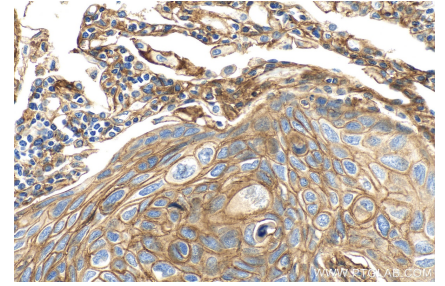
Selected Validation Data



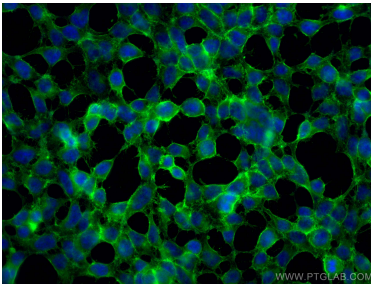
Various lysates were subjected to SDS PAGE followed by western blot with 30052-1-AP (B7-H3/CD276 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30052-1-AP (B7-H3/CD276 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30052-1-AP (B7-H3/CD276 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using B7-H3/CD276 antibody (30052-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).