

For Research Use Only

CD58 Polyclonal antibody

Catalog Number: 10878-1-AP

1 Publications



Basic Information

Catalog Number: 10878-1-AP	GenBank Accession Number: BC005930	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 965	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P19256	
Isotype: IgG	Full Name: CD58 molecule	
Immunogen Catalog Number: AG1165	Calculated MW: 28 kDa	
	Observed MW: 55-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Raji cells, Jurkat cells, TF-1 cells, HeLa cells, human lymph tissue
Cited Applications: WB	IHC : human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue, human skin cancer tissue
Species Specificity: human	
Cited Species: 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

CD58 a heavily glycosylated protein of 55-70 kDa, is expressed on a broad range of hematopoietic and non-hematopoietic cells. CD58 is involved in immune recognition of tumor cells via binding of the CD2 receptor expressed on cytotoxic T cells. The protein is localized to the plasma membrane.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhi Tian	38699747	Heliyon	WB

Storage

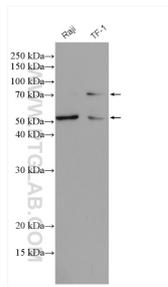
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

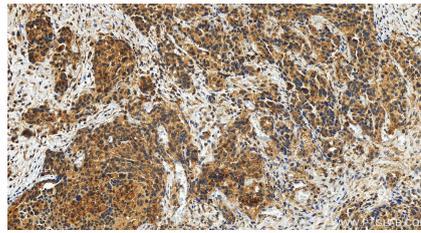
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

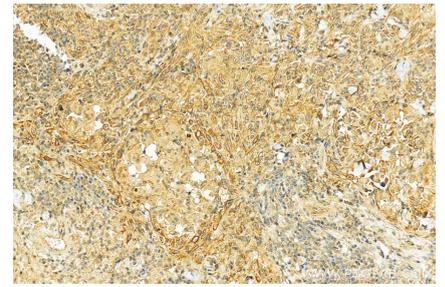
Selected Validation Data



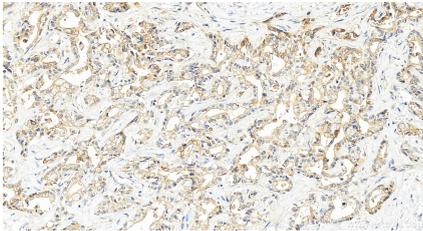
Various cells were subjected to SDS PAGE followed by western blot with 10878-1-AP (CD58 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10878-1-AP (CD58 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 10878-1-AP (CD58 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 10878-1-AP (CD58 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).