

For Research Use Only

Multi-rAb® CD44 Multi-Recombinant antibody

Catalog Number: RMX00065



Basic Information

Catalog Number: RMX00065	GenBank Accession Number: NM_000610.3	Purification Method: N/A
Size: 100ul , Concentration: 1010 µg/ml by Nanodrop;	GeneID (NCBI): 960	Recommended Dilutions: WB: 1:2000-1:16000 IHC: 1:200-1:800 IF/ICC: 1:500-1:2000
Source: Rabbit	ENSEMBL Gene ID: ENSG00000026508	
Isotype: IgG	UNIPROT ID: P16070-1	
	Full Name: CD44 molecule (Indian blood group)	
	Calculated MW: 82 kDa	
	Observed MW: 80-95 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A549 cells, HeLa cells, NR8383 cell IHC : human colon cancer tissue, IF/ICC : HeLa cells,
Species Specificity: human, rat	
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

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands. Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. This protein exists in multiple forms (with molecular weight ranging from 16 kDa to over 200 kDa) generated by alternative RNA splicing and extensive post-translational modifications.

Storage

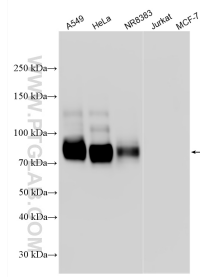
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

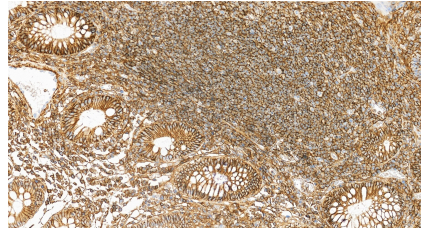
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

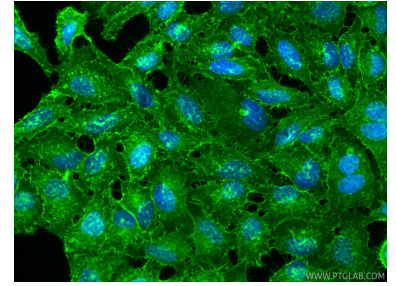
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00065 (CD44 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using RMX00065 (CD44 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CD44 antibody (RMX00065) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).