

For Research Use Only

EXOSC9 Monoclonal antibody

Catalog Number: 67636-1-Ig **Featured Product**



Basic Information

Catalog Number: 67636-1-Ig	GenBank Accession Number: BC142978	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5393	CloneNo.: 3F4G1
Source: Mouse	Full Name: exosome component 9	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:750-1:3000 IF 1:1000-1:4000
Isotype: IgG2a	Calculated MW: 456 aa, 51 kDa	
Immunogen Catalog Number: AG19783	Observed MW: 65-70 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : U2OS cells, HeLa cells, A549 cells, MCF-7 cells, HepG2 cells, K-562 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

IHC : human breast cancer tissue, mouse kidney tissue, rat kidney tissue

IF : HeLa cells,

Background Information

EXOSC9, also named as PMSC1 and PM/Sc1-75, is a key subunit of the exosome complex. EXOSC9 maintains self-renewal in a cell-autonomous manner. EXOSC9 has 4 isoforms with MW 49 kDa, 51 kDa, 39 kDa and 41 kDa. It's polymyositis/scleroderma auto-antigen 75 kDa. The MW of EXOSC9 is migrated to 60-75 kDa for modification in WB detection.

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**

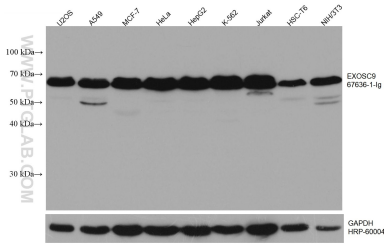
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

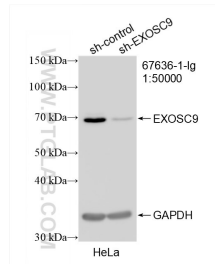
E: proteintech@ptglab.com
W: ptglab.com

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

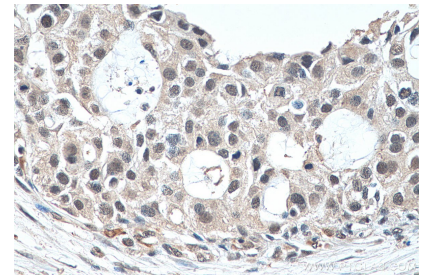
Selected Validation Data



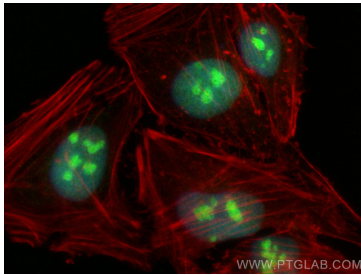
Various lysates were subjected to SDS PAGE followed by western blot with 67636-1-Ig (EXOSC9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of EXOSC9 antibody (67636-1-Ig; 1:50000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EXOSC9 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67636-1-Ig (EXOSC9 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EXOSC9 antibody (67636-1-Ig, Clone: 3F4G1) at dilution of 1:2000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).