

For Research Use Only

EXOSC5 Polyclonal antibody

Catalog Number: 15627-1-AP

4 Publications



Basic Information

Catalog Number:

15627-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8098

GenBank Accession Number:

BC007742

GeneID (NCBI):

56915

UNIPROT ID:

Q9NQT4

Full Name:

exosome component 5

Calculated MW:

235 aa, 25 kDa

Observed MW:

28-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:350-1:1400

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, rat

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

Positive Controls:

WB : HEK-293 cells, Raji cells, HeLa cells, K-562 cells

IP : HeLa cells,

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

Background Information

CML28 is a component of the human exosome, which is a multiprotein complex involved in the 3' processing and degradation of RNA [PMID:12359762]. CML28 is a novel 28 kDa TAA identified by serological analysis of cDNA expression libraries (SEREX) screening of a chronic myeloid leukemia (CML) cDNA expression library. As a potential target for tumor-specific immunotherapy, CML28 is superior to other known TAAs characterized by its broader spectrum expression in tumor cells and stricter expression in normal tissues [PMID:16815301].

Notable Publications

Author	Pubmed ID	Journal	Application
Tobias Moll	36241425	Life Sci Alliance	WB
Yujing Zhang	36293016	Int J Mol Sci	IHC
Xiangliu Chen	35371329	J Cancer	WB,IHC

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

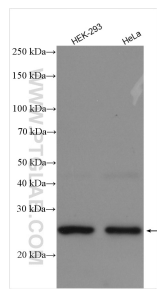
For technical support and original validation data for this product please contact:

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

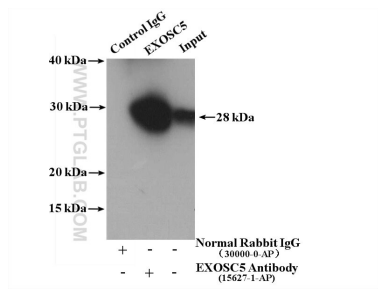
E: proteintech@ptglab.com
W: ptglab.com

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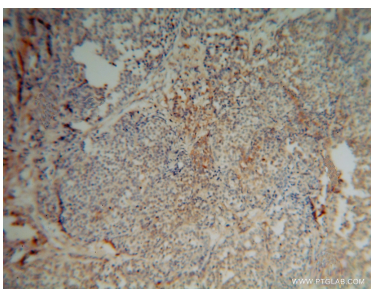
Selected Validation Data



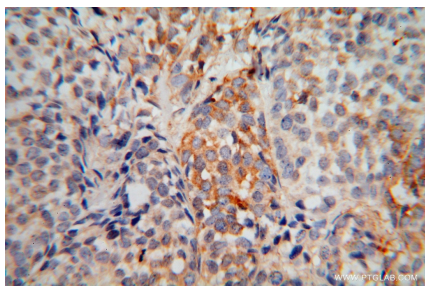
Various lysates were subjected to SDS PAGE followed by western blot with 15627-1-AP (EXOSC5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



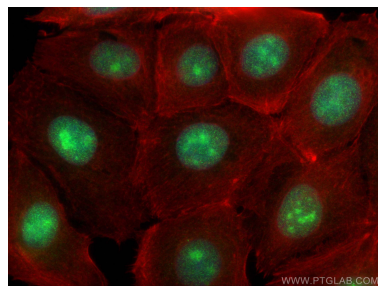
IP result of anti-EXOSC5 (IP:15627-1-AP, 4ug; Detection:15627-1-AP 1:300) with HeLa cells lysate 2800 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 15627-1-AP (EXOSC5 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 15627-1-AP (EXOSC5 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using EXOSC5 antibody (15627-1-AP) at dilution of 1:700 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).