

For Research Use Only

EXOSC10 Polyclonal antibody

Catalog Number: 16731-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

16731-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10189

GenBank Accession Number:

BC073788

GeneID (NCBI):

5394

UNIPROT ID:

Q01780

Full Name:

exosome component 10

Calculated MW:

885 aa, 101 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

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: BxPC-3 cells, HeLa cells, mouse spleen tissue

IP: HeLa cells,

IHC: human stomach cancer tissue, mouse skin tissue

IF/ICC: HeLa cells,

Background Information

About 50% of patients with polymyositis/scleroderma (PM-Scl) overlap syndrome are reported to have autoantibodies to a nuclear/nucleolar particle termed PM-Scl. Exosome component 10 (EXOSC10), also named autoantigen PM/Scl 2, is the 100 kDa antigen component of PM-Scl and is recognized by most sera of PM-Scl patients. EXOSC10 is strongly enriched in the nucleolus and a small amount has been found in cytoplasm supporting the existence of a nucleolar RNA exosome complex form. As a putative catalytic component of the RNA exosome complex which has 3'->5' exonuclease activity, EXOSC10 participates in a multitude of cellular RNA processing and degradation events.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|---------|-------------|
| Zhi-Yong Meng | 37701829 | PeerJ | 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

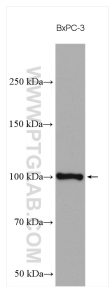
For technical support and original validation data for this product please contact:

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

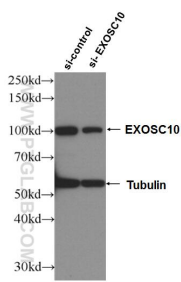
E: proteintech@ptglab.com
W: ptglab.com

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

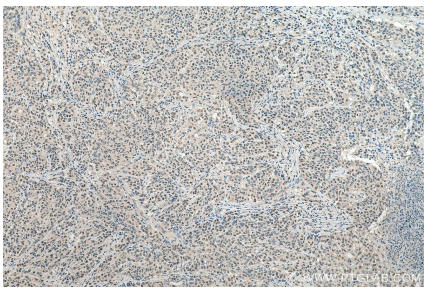
Selected Validation Data



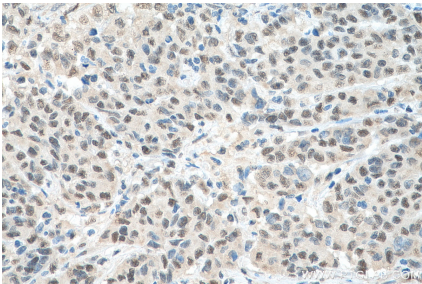
BxPC-3 cells were subjected to SDS PAGE followed by western blot with 16731-1-AP (EXOSC10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



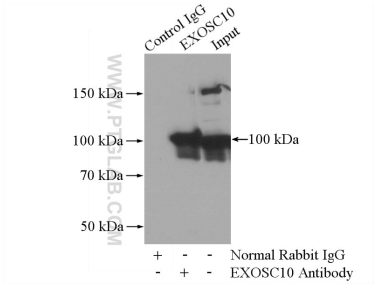
WB result of EXOSC10 antibody (16731-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EXOSC10 transfected HeLa cells.



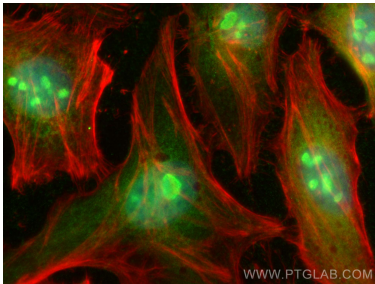
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16731-1-AP (EXOSC10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16731-1-AP (EXOSC10 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EXOSC10 (IP:16731-1-AP, 4ug; Detection:16731-1-AP 1:700) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EXOSC10 antibody (16731-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).