

For Research Use Only

EXOSC10 Polyclonal antibody

Catalog Number: 11178-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

11178-1-AP

Size:

150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1666

GenBank Accession Number:

BC039901

GeneID (NCBI):

5394

Full Name:

exosome component 10

Calculated MW:

98 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:20-1:200
IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, RIP, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

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 : HeLa cells,

IP : MCF-7 cells,

IHC : human breast cancer tissue,

IF : NIH/3T3 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
Pauline Antonie Ulmke	33462115	Development	WB,RIP
Chi-Kang Tseng	26628367	Cell Rep	WB
Alan L Jiao	30538148	RNA	IF

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

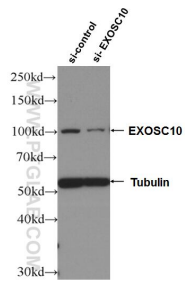
For technical support and original validation data for this product please contact:

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

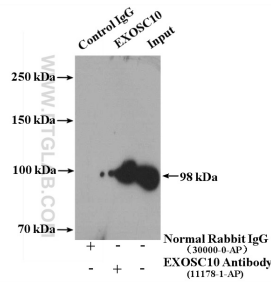
E: proteintech@ptglab.com
W: ptglab.com

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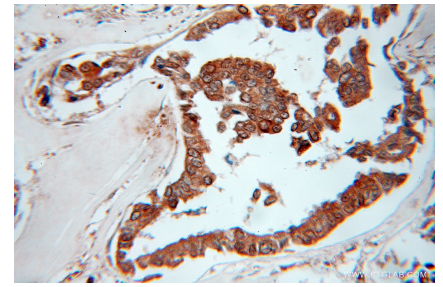
Selected Validation Data



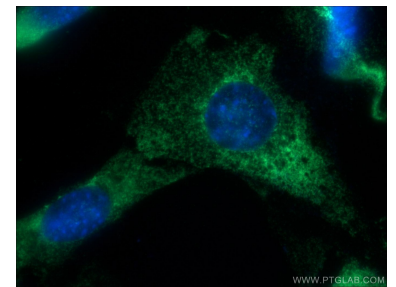
WB result of EXOSC10 antibody (11178-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EXOSC10 transfected HeLa cells.



IP result of anti-EXOSC10 (IP:11178-1-AP, 4ug; Detection:11178-1-AP 1:300) with MCF-7 cells lysate 3200 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11178-1-AP (EXOSC10 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of NIH/3T3 cells using 11178-1-AP (EXOSC10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).