

For Research Use Only

EXOSC8 Polyclonal antibody

Catalog Number: 11979-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

11979-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2605

GenBank Accession Number:

BC020773

GeneID (NCBI):

11340

UNIPROT ID:

Q96B26

Full Name:

exosome component 8

Calculated MW:

276 aa, 30 kDa

Observed MW:

30-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:800-1:3200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, HeLa cells, human brain tissue

IP : HEK-293 cells,

IHC : human colon tissue,

IF/ICC : 4T1 cells,

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

EXOSC8 (exosome component 8), also known as p9 or CIP3, is a component of the exosome multi-enzyme ribonuclease complex, that degrades or processes messenger RNA. It belongs to the RNase PH family and localizes to the nucleolus. EXOSC8 is one of the six RNase-PH domain subunits of the exosome. EXOSC8 is part of the central hexamer channel of the exosome. EXOSC8 mutations could alter mRNA metabolism and cause hypomyelination with spinal muscular atrophy and cerebellar hypoplasia.

Notable Publications

Author	Pubmed ID	Journal	Application
Tobias Moll	36241425	Life Sci Alliance	WB
María Elena Rodríguez-García	34210538	Neuromuscul Disord	WB
Caitlin A Nichols	32433464	Nat Commun	WB

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:

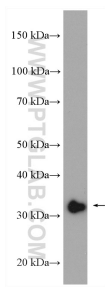
T: 4006900926

E: Proteintech-CN@ptglab.com

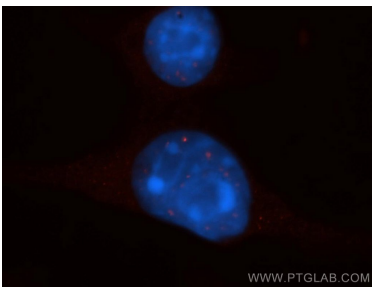
W: ptgcn.com

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

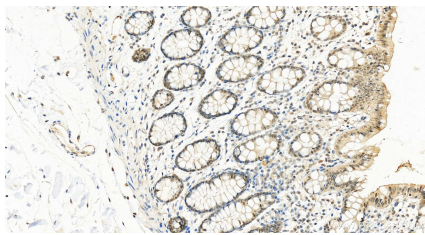
Selected Validation Data



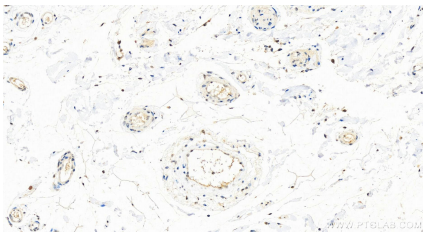
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11979-1-AP (EXOSC8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



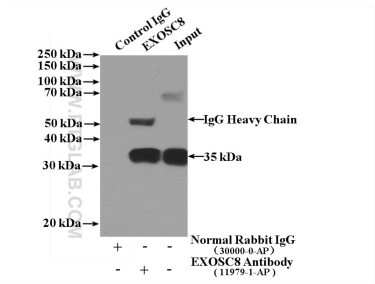
Immunofluorescent analysis of 4T1 cells, using EXOSC8 antibody 11979-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11979-1-AP (EXOSC8 antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11979-1-AP (EXOSC8 antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EXOSC8 (IP:11979-1-AP, 4ug; Detection:11979-1-AP 1:500) with HEK-293 cells lysate 1560ug.