

For Research Use Only

EXOSC4 Polyclonal antibody

Catalog Number: 15937-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

15937-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7595

GenBank Accession Number:

BC002777

GeneID (NCBI):

54512

UNIPROT ID:

Q9NPD3

Full Name:

exosome component 4

Calculated MW:

26 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:400-1:1600

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, 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-293T cells, Jurkat cells, HeLa cells, SW480 cells, HCT 116 cells, mouse liver tissue, rat liver tissue

IHC: human skin cancer tissue,

IF: HepG2 cells,

Background Information

EXOSC4, also named as RRP41 and SKI6, belongs to the RNase PH family. EXOSC4 is a novel component of the human exosome complex. EXOSC4 is the most important RNA processing machinery in maturation and degradation of RNA playing a major role in gene expression regulation (PMID: 29626590). EXOSC4 has 1 isoform with the molecular mass of 27 kDa. However, studies have shown that EXOSC4 can interact with EXOSC2 and EXOSC7, possibly form a complex with the molecular weight of 90 kDa (PMID: 25115889). Recently, EXOSC4 has been found to play important roles in tumorigenesis and development including CRC (PMID: 33075373).

Notable Publications

Author	Pubmed ID	Journal	Application
Yong-Xia Wang	33075373	Life Sci	WB,IHC
Tobias Moll	36241425	Life Sci Alliance	WB
Tzu-Wei Chuang	26887951	J Biol Chem	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:

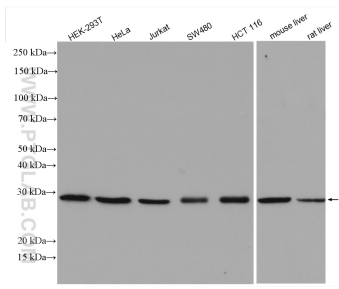
T: 4006900926

E: Proteintech-CN@ptglab.com

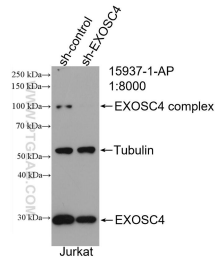
W: ptgcn.com

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

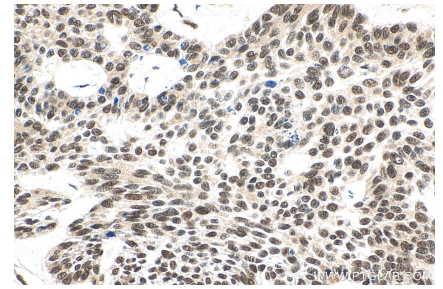
Selected Validation Data



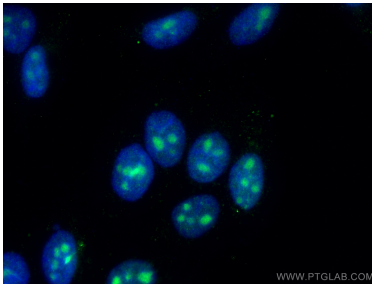
Various lysates were subjected to SDS PAGE followed by western blot with 15937-1-AP (EXOSC4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



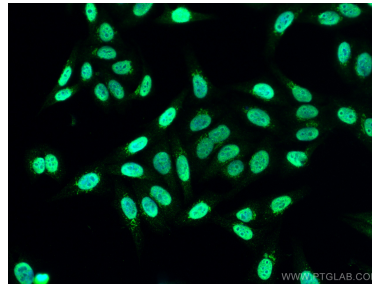
WB result of EXOSC4 antibody (15937-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EXOSC4 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 15937-1-AP (EXOSC4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EXOSC4 antibody (15937-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EXOSC4 antibody (15937-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).