For Research Use Only

EXOSC2 Monoclonal antibody, PBS Only

Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:66099-1-PBS

Basic Information

Catalog Number:
66099-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG7003

GenBank Accession Number:
BC000747

GeneID (NCBI):
23404

UNIPROT ID:
Q13868

Full Name:
exosome component 2

Calculated MW:
33 kDa

Observed MW:
33 kDa

Purification Method:
Protein A purification

CloneNo.:
1G8B1

Applications

Tested Applications:
WB,Indirect ELISA,IHC,IF

Species Specificity:
human

Background Information

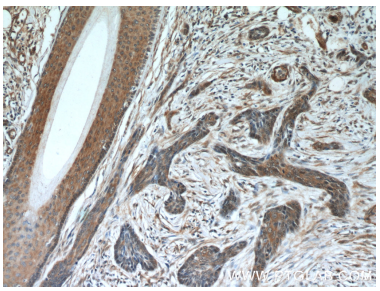
In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snoRNA and snRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs [PMID:15346807]. EXOSC2 is a non-catalytic component of the RNA exosome complex that has 3'->5' exoribonuclease activity and involves in a multitude of cellular RNA processing and degradation events [PMID: 17545563].

Storage

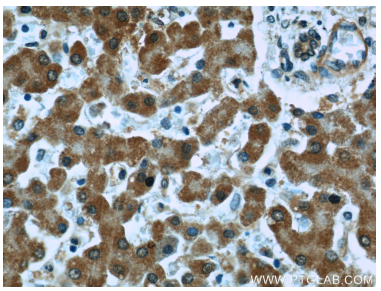
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

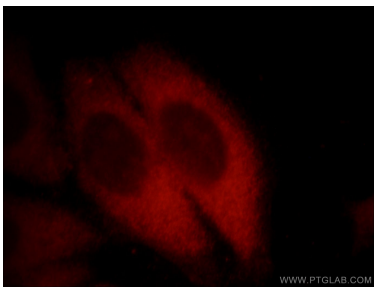
Selected Validation Data



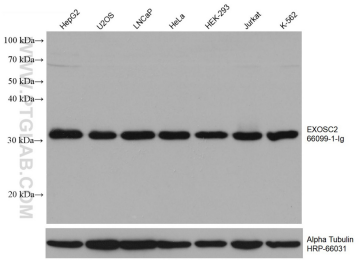
Immunohistochemical analysis of paraffin-embedded human skin cancer slide using 66099-1-Ig (EXOSC2 Antibody) at dilution of 1:50. This data was developed using the same antibody clone with 66099-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver slide using 66099-1-Ig (EXOSC2 Antibody) at dilution of 1:50. This data was developed using the same antibody clone with 66099-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of () fixed HepG2 cells using 66099-1-Ig (EXOSC2 antibody) at dilution of 1:25. This data was developed using the same antibody clone with 66099-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66099-1-Ig (EXOSC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66099-1-PBS in a different storage buffer formulation.