

For Research Use Only

EXOSC2 Monoclonal ANTIBODY



Catalog Number: 66099-1-Ig **1 Publications**

Basic Information

Catalog Number: 66099-1-Ig	GenBank Accession Number: BC000747	Purification Method: Protein A purification
Size: 150UL, Concentration: 1267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23404	CloneNo.: 1G8B1
Source: Mouse	Full Name: exosome component 2	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG2a	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG7003	Observed MW: 33 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: Jurkat cells, HEK-293 cells, HeLa cells, HepG2 cells IHC: human liver tissue, human skin cancer tissue IF: HepG2 cells,
Species Specificity: human	
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

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' exonuclease activity and involves in a multitude of cellular RNA processing and degradation events [PMID: 17545563].

Notable Publications

Author	Pubmed ID	Journal	Application
Jakob Trendel	30528433	Cell	

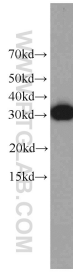
Storage

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

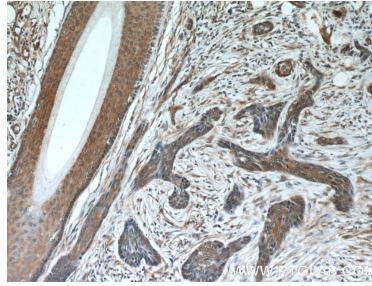
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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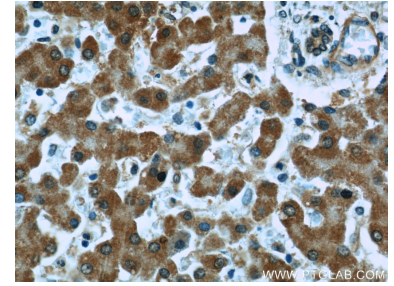
Selected Validation Data



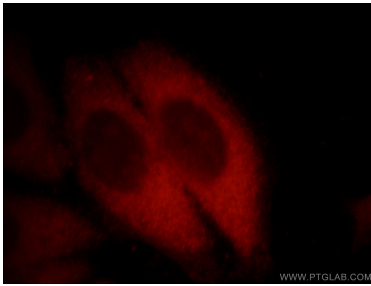
Jurkat cells were subjected to SDS PAGE followed by western blot with 66099-1-Ig (EXOSC2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer slide using 66099-1-Ig (EXOSC2 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human liver slide using 66099-1-Ig (EXOSC2 Antibody) at dilution of 1:50.



Immunofluorescent analysis of () fixed HepG2 cells using 66099-1-Ig (EXOSC2 antibody) at dilution of 1:25.