

For Research Use Only

EXOSC2 Monoclonal antibody

Catalog Number: 66099-1-Ig **9 Publications**



Basic Information

Catalog Number: 66099-1-Ig	GenBank Accession Number: BC000747	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 ug/ml by Nanodrop and 1267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23404	CloneNo.: 1G8B1
Source: Mouse	UNIPROT ID: Q13868	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:20-1:200 IF/ICC: 1:10-1:100
Isotype: IgG2a	Full Name: exosome component 2	
Immunogen Catalog Number: AG7003	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HepG2 cells, HeLa cells, HEK-293 cells, U2OS cells, LNCaP cells, Jurkat cells, K-562 cells IHC : human liver tissue, human skin cancer tissue IF/ICC : HepG2 cells,
Cited Applications: WB	
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
Tobias Moll	36241425	Life Sci Alliance	WB
Tobias Moll	35291294	bioRxiv	WB
Rongli Wang	35784556	Front Endocrinol (Lausanne)	WB

Storage

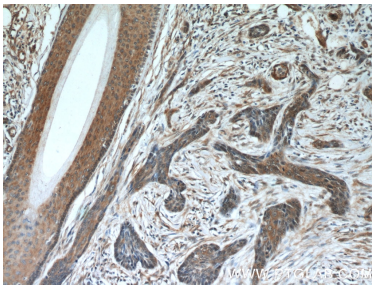
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

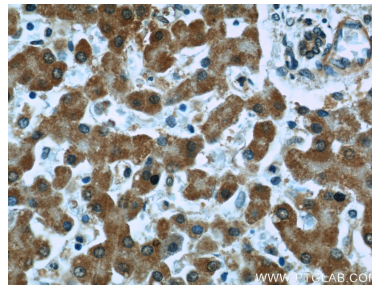
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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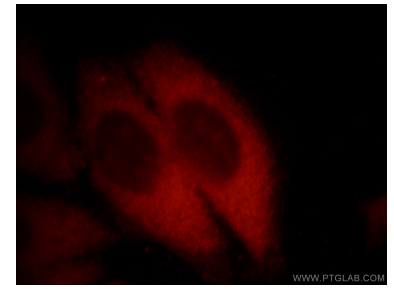
Selected Validation Data



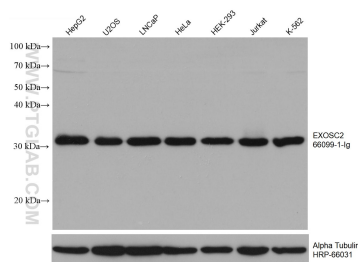
Immunohistochemical analysis of paraffin-embedded human skin cancer slide using 66099-1-Ig (EXOSC2 Antibody) at dilution of 1:50.



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.



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.