

For Research Use Only

CoraLite®555-conjugated EXOSC2 Monoclonal antibody



Catalog Number:CL555-66099

Basic Information

Catalog Number: CL555-66099	GenBank Accession Number: BC000747	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 23404	CloneNo.: 1G8B1
Source: Mouse	UNIPROT ID: Q13868	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Isotype: IgG2a	Full Name: exosome component 2	
Immunogen Catalog Number: AG7003	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
FC (Intra)

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

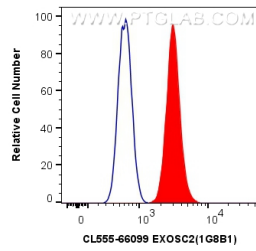
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite®555 Anti-Human EXOSC2 (CL555-66099, Clone:1G8B1) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).