

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: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23404	CloneNo.: 1G8B1
Source: Mouse	Full Name: exosome component 2	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Isotype: IgG2a	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG7003	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' exonuclease 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.

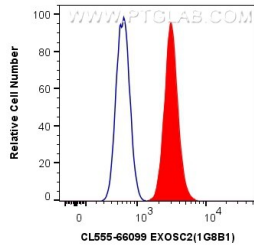
Aliquoting is unnecessary for -20°C storage

*** 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 W: ptglab.com

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

Selected Validation Data



1×10^6 HepG2 cells were intracellularly stained with 0.8 μ g CoraLite®555 Anti-Human EXOSC2 (CL555-66099, Clone:1G8B1) (red), or 0.8 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).