

For Research Use Only

EXOSC6 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84346-2-PBS



Basic Information

Catalog Number: 84346-2-PBS	GenBank Accession Number: NM_058219	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 118460	CloneNo.: 241535G9
Source: Rabbit	UNIPROT ID: Q5RKV6	
Isotype: IgG	Full Name: exosome component 6	
Immunogen Catalog Number: AG33513	Calculated MW: 28kd	
	Observed MW: 28-32 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84346-2-PBS targets EXOSC6 as part of a matched antibody pair:

MP01222-1: 84346-2-PBS capture and 84346-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

EXOSC6 (exosome component 6), also known as p11 or MTR3. The calculated molecular weight of EXOSC6 is 28 kDa. And it has low tissue specificity. The gene product constitutes one of the subunits of the multisubunit particle called exosome, which mediates mRNA degradation. It is also a component of the RNA exosome complex (PMID: 29906447). The composition of human exosome is similar to its yeast counterpart. EXOSC6 is homologous to the yeast Mtr3 protein. Its exact function is not known, however, it has been shown using a cell-free RNA decay system that the exosome is required for rapid degradation of unstable mRNAs containing AU-rich elements (AREs), but not for poly(A) shortening. The exosome does not recognize ARE-containing mRNAs on its own, but requires ARE-binding proteins that could interact with the exosome and recruit it to unstable mRNAs, thereby promoting their rapid degradation.

Storage

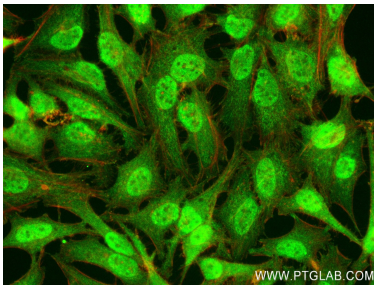
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

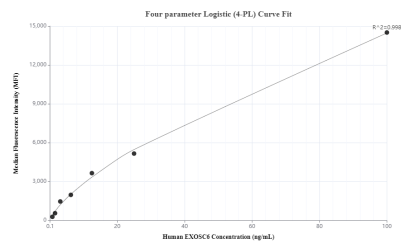
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

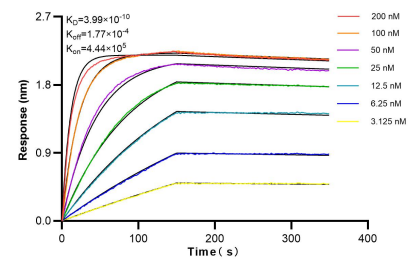
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EXOSC6 antibody (84346-2-RR, Clone: 241535G9) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84346-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01222-1, EXOSC6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84346-2-PBS. Detection antibody: 84346-1-PBS. Standard: Ag33513. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84346-2-RR against Human EXOSC6 were performed. The affinity constant is 0.399 nM.