

For Research Use Only

# EXOSC6 Recombinant antibody

Catalog Number: 84346-2-RR



## Basic Information

<b>Catalog Number:</b> 84346-2-RR	<b>GenBank Accession Number:</b> NM_058219	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 118460	<b>CloneNo.:</b> 241535G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5RKV6	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> exosome component 6	
<b>Immunogen Catalog Number:</b> AG33513	<b>Calculated MW:</b> 28kd	
	<b>Observed MW:</b> 28-32 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## 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

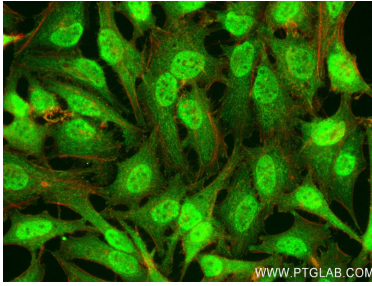
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

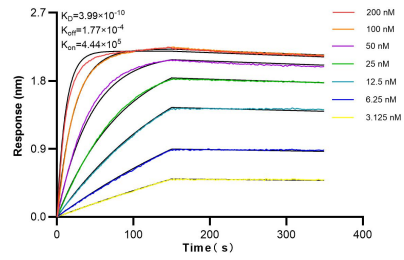
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## Selected Validation Data



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).



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