

For Research Use Only

# TOR1B Recombinant antibody

Catalog Number:84267-3-RR



## Basic Information

<b>Catalog Number:</b> 84267-3-RR	<b>GenBank Accession Number:</b> BC015578	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 27348	<b>CloneNo.:</b> 241574A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14657	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> torsin family 1, member B (torsin B)	
<b>Immunogen Catalog Number:</b> AG16641	<b>Calculated MW:</b> 336 aa, 38 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, rat heart tissue
<b>Species Specificity:</b> human	

## Background Information

Torsin A is 1 of 4 predicted mammalian torsin ATPases associated with assorted cellular activities (AAA+) proteins (PMID: 20015956). TOR1B (torsin family 1 member B), also called TorsinB (TorB), is similar to TorsinA at the sequence level. TorsinA and TorsinB are both ubiquitously expressed in all cell types though TorsinA is more highly expressed in neurons. TorsinA and TorsinB may be somewhat functionally redundant, with TorsinA being more important in neuronal cells and TorsinB being more important in other tissues (PMID: 24275647). TOR1B serve as a molecular chaperone assisting in the proper folding of secreted and/or membrane proteins, and plays a role in non-neural cells nuclear envelope and endoplasmic reticulum integrity (PMID: 24275647; 23569223).

## 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

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

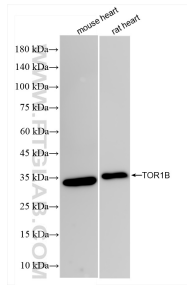
T: 4006900926

E: Proteintech-CN@ptglab.com

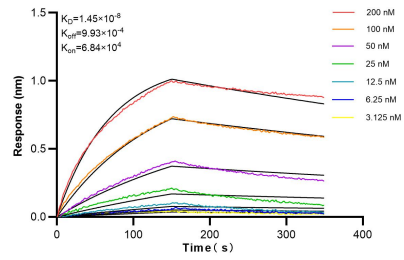
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84267-3-RR (TOR1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84267-3-RR against Human TOR1B were performed. The affinity constant is 14.5 nM.