

For Research Use Only

# TOR1B Recombinant antibody, PBS Only (Detector)

Catalog Number: 84267-3-PBS



## Basic Information

<b>Catalog Number:</b> 84267-3-PBS	<b>GenBank Accession Number:</b> BC015578	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 27348	<b>CloneNo.:</b> 241574A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14657	
<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

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

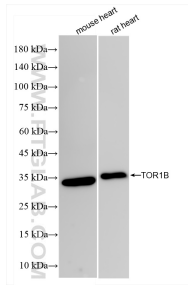
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

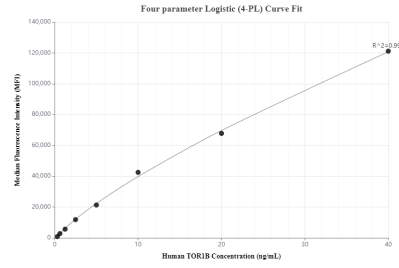
W: [ptgcn.com](http://ptgcn.com)

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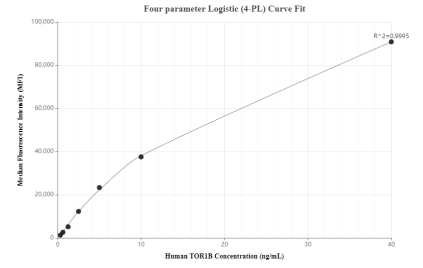
## Selected Validation Data



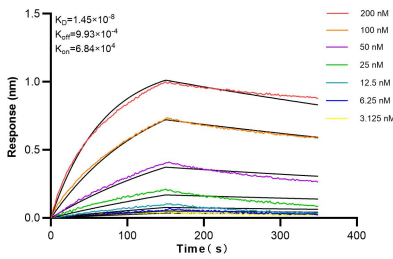
Various lysates were subjected to SDS PAGE followed by western blot with 84267-3-RR (TOR1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84267-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01175-1, TOR1B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84267-1-PBS. Detection antibody: 84267-3-PBS. Standard: Ag16641. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP01175-2, TOR1B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84267-2-PBS. Detection antibody: 84267-3-PBS. Standard: Ag16641. Range: 0.313-40 ng/mL.



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