For Research Use Only

TOR1B Recombinant antibody, PBS Only (Detector)

Catalog Number:84267-3-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
84267-3-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16641

GenBank Accession Number:
BC015578

GeneID (NCBI):
27348

UNIPROT ID:
O14657

Full Name:
torsin family 1, member B (torsin B)

Calculated MW:
336 aa, 38 kDa

Observed MW:
35 kDa

Purification Method:
Protein A purification

CloneNo.:
241574A7

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84267-3-PBS targets TOR1B as part of a matched antibody pair:

MP01175-1: 84267-1-PBS capture and 84267-3-PBS detection (validated in Cytometric bead array)

MP01175-2: 84267-2-PBS capture and 84267-3-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

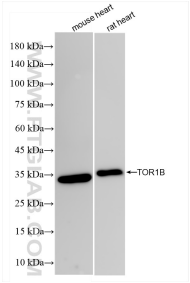
Torsin A is 1 of 4 predicted mammalian torsin ATPases associated with assorted cellular activities (AAA+) proteins (PMID: 20015956). TOR1B (torsin family 1 member B), also called TorsinB (TorB), is similar to TorsinA at the sequence level. TorsinA and TorsinB are both ubiquitously expressed in all cell 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

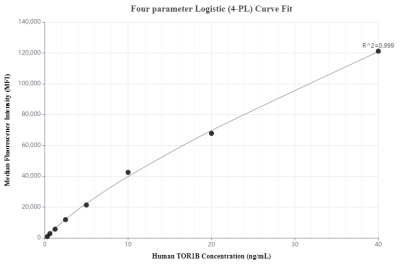
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

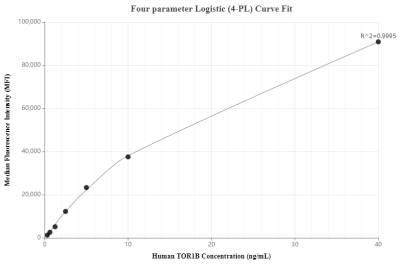
Selected Validation Data



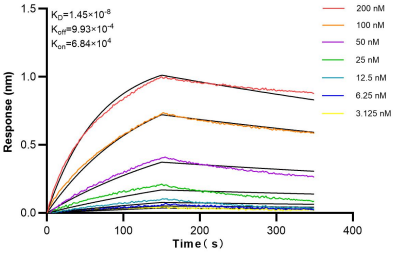
Various lysates were subjected to SDS PAGE followed by western blot with 84267-3-RR (TOR1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84267-3-PBS in a different storage buffer formulation.



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.



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