

For Research Use Only

TOMM40 Recombinant antibody

Catalog Number: 85773-4-RR



Basic Information

Catalog Number: 85773-4-RR	GenBank Accession Number: BC017224	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10452	CloneNo.: 250010E12
Source: Rabbit	UNIPROT ID: O96008	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: translocase of outer mitochondrial membrane 40 homolog (yeast)	
Immunogen Catalog Number: AG13065	Calculated MW: 38 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, HSC-T6 cells
	IF/ICC : HepG2 cells,

Background Information

The translocase of outer mitochondria membrane 40 (TOMM40, also known as TOM40), located in the center of the TOM complex, is a channel-forming subunit of translocase. It can facilitate the fluid movement of preproteins into the mitochondria by associating with TOMM20. TOMM40 plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by forming a complex with BCAP31 and mediating the translocation of Complex I components from the cytosol to the mitochondria (PMID: 31206022). TOMM40 has been reported to be associated with late-onset neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease.

Storage

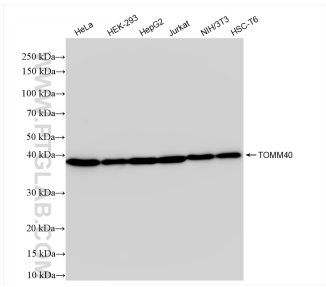
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

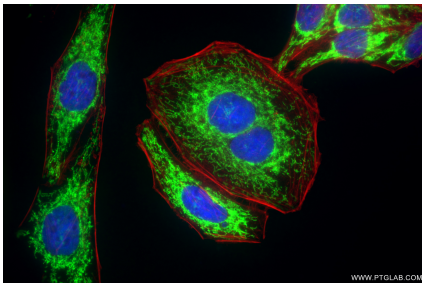
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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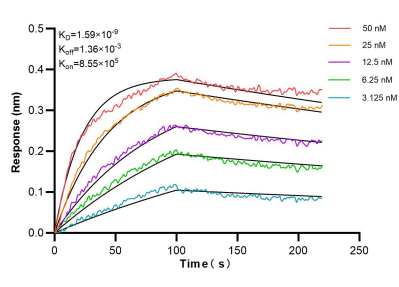
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85773-4-RR (TOMM40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOMM40 antibody (85773-4-RR, Clone: 250010E12) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85773-4-RR against Human TOMM40 were performed. The affinity constant is 1.59 nM.