

For Research Use Only

TOMM40 Recombinant antibody, PBS Only

Catalog Number: 85773-4-PBS



Basic Information

Catalog Number: 85773-4-PBS	GenBank Accession Number: BC017224	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 10452	CloneNo.: 250010E12
Source: Rabbit	UNIPROT ID: O96008	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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

Storage Buffer:
PBS only, pH7.3

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

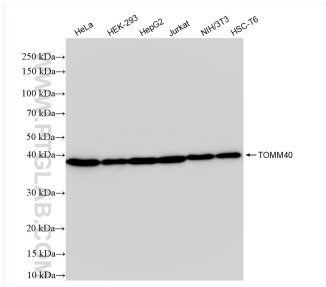
T: 4006900926

E: Proteintech-CN@ptglab.com

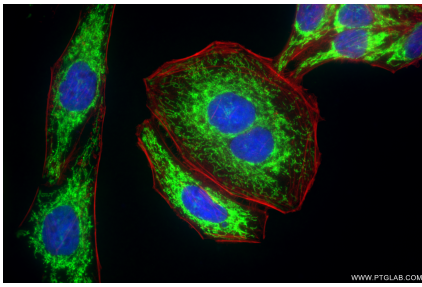
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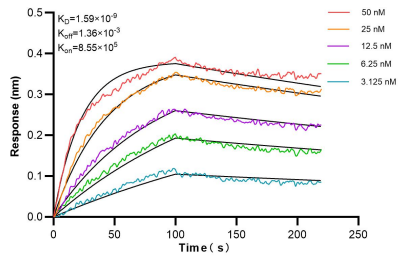
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85773-4-RR (TOMM40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85773-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85773-4-PBS in a different storage buffer formulation.



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