

For Research Use Only

TOM20 Recombinant antibody

Catalog Number: 80501-1-RR

1 Publications



Basic Information

Catalog Number:

80501-1-RR

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2378

GenBank Accession Number:

BC000882

GeneID (NCBI):

9804

UNIPROT ID:

Q15388

Full Name:

translocase of outer mitochondrial membrane 20 homolog (yeast)

Calculated MW:

145 aa, 16 kDa

Observed MW:

16 kDa

Purification Method:

Protein A purification

CloneNo.:

1D22

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:50-1:500

IF/ICC: 1:120-1:480

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat, pig, chicken, zebrafish

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, zebrafish tissue, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, pig brain tissue, rat brain tissue, mouse brain tissue, chicken brain tissue

IHC : human liver tissue,

IF/ICC : HepG2 cells, HeLa cells, A549 cells

Background Information

TOM20, also named as KIAA0016, belongs to the Tom20 family. It is a central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22, TOM20 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore. TOM20 is characterized as major docking receptors to mediate the recognition by different mechanisms.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiang Liu	40054785	Biochem Pharmacol	WB

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

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

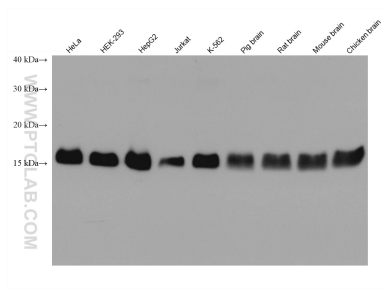
T: 4006900926

E: Proteintech-CN@ptglab.com

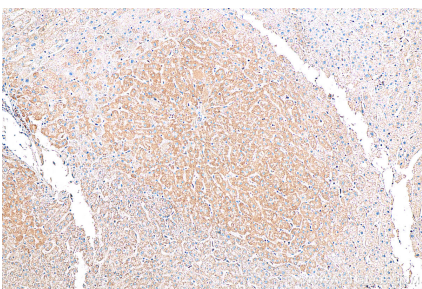
W: ptgcn.com

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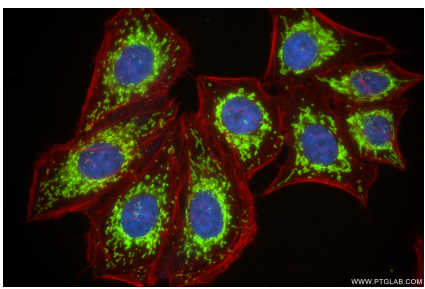
Selected Validation Data



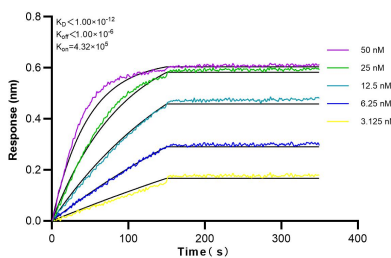
Various lysates were subjected to SDS PAGE followed by western blot with 80501-1-RR (TOM20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 80501-1-RR (TOM20 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOM20 antibody (80501-1-RR, Clone: 1D22) at dilution of 1:240 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 80501-1-RR against Human TOM20 were performed. The affinity constant is below 1 pM.