

# TOM20 Recombinant antibody

Catalog Number: 80501-1-RR

## Basic Information

<b>Catalog Number:</b> 80501-1-RR	<b>GenBank Accession Number:</b> BC000882	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9804	<b>CloneNo.:</b> 1D22
<b>Source:</b> Rabbit	<b>Full Name:</b> translocase of outer mitochondrial membrane 20 homolog (yeast)	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 145 aa, 16 kDa	
<b>Immunogen Catalog Number:</b> AG2378	<b>Observed MW:</b> 16 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat, pig, chicken, zebrafish	<b>WB :</b> 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
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver tissue, <b>IF :</b> HepG2 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.

## Storage

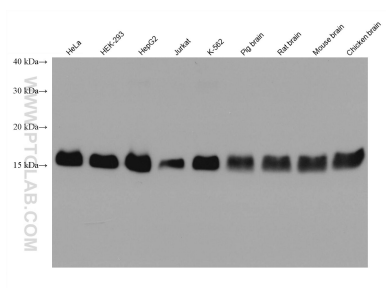
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

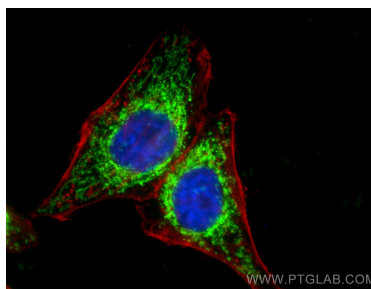
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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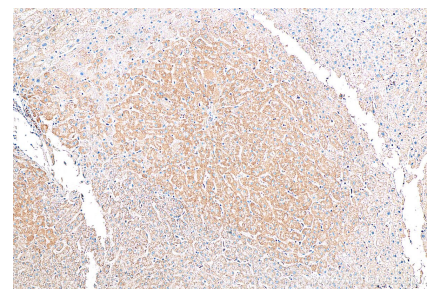
## Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOM20 antibody (80501-1-RR, Clone: 1D22) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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).