For Research Use Only

TOM20 Polyclonal antibody, PBS Only

Catalog Number:11802-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
11802-1-PBS

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

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:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Species Specificity:
human, mouse, rat, chicken

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.

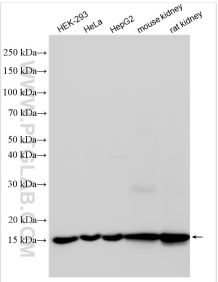
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

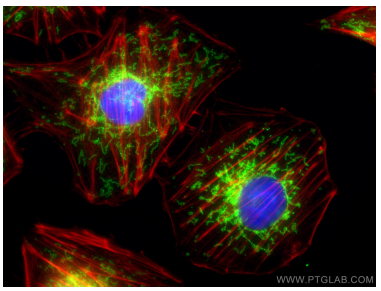
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

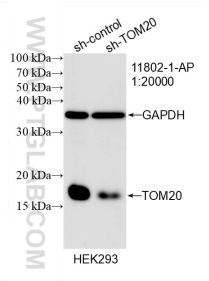
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11802-1-AP (TOM20 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.

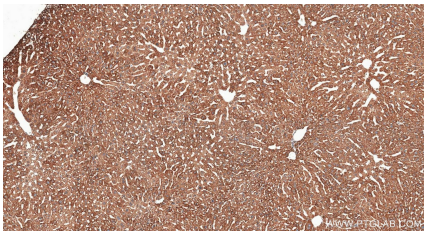


Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using TOM20 antibody (11802-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.

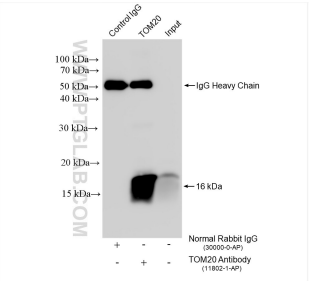


WB result of TOM20 antibody (11802-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TOM20 transfected HEK-293 cells. This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.

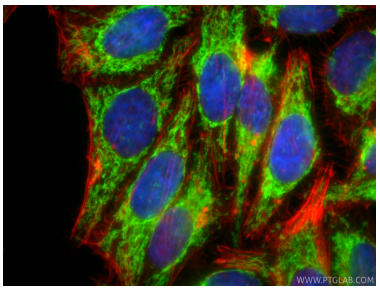
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 11802-1-AP (TOM20 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.



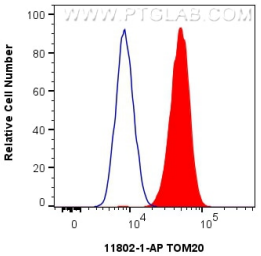
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 11802-1-AP (TOM20 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.



IP result of anti-TOM20 (IP:11802-1-AP, 4ug; Detection:11802-1-AP 1:6000) with HeLa cells lysate 1085 ug. This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOM20 antibody (11802-1-AP) at dilution of 1:400 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 11802-1-PBS in a different storage buffer formulation.



1x10^6 HeLa cells were intracellularly stained with 0.25 ug TOM20 Polyclonal antibody (11802-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone with 11802-1-PBS in a different storage buffer formulation.