

TOM20 Monoclonal antibody, PBS Only

Catalog Number: 66777-1-PBS

Basic Information

Catalog Number: 66777-1-PBS	GenBank Accession Number: BC000882	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9804	CloneNo.: 1D6F5
Source: Mouse	UNIPROT ID: Q15388	
Isotype: IgG2b	Full Name: translocase of outer mitochondrial membrane 20 homolog (yeast)	
Immunogen Catalog Number: AG2378	Calculated MW: 145 aa, 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
ELISA, IF/ICC, IHC, WB

Species Specificity:
human

Background Information

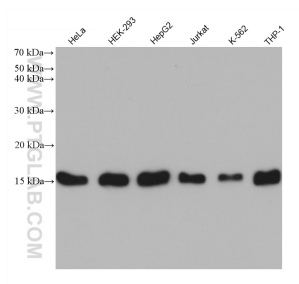
TOM20, also named as KIAA0016, belongs to the Tom20 family. It is a central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22, TOM20 functions as the transit peptide receptor at the surface of 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

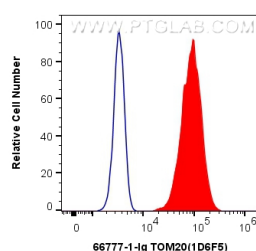
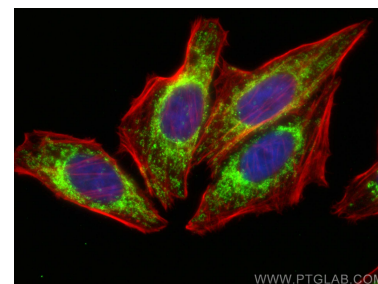
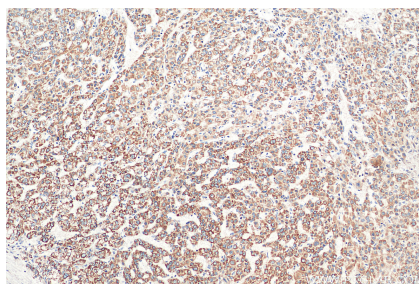
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66777-1-Ig (TOM20 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66777-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human TOM20 (66777-1-Ig, Clone:1D6F5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66777-1-PBS in a different storage buffer formulation.