

Datasheet for ABIN6244022

anti-TOMM40 antibody (AA 22-56)**3** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	TOMM40
Binding Specificity:	AA 22-56
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOMM40 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This TOMM40 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 22-56 amino acids from human TOMM40.
Clone:	RB56900
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TOMM40
Alternative Name:	TOMM40 (TOMM40 Products)
Background:	Channel-forming protein essential for import of protein precursors into mitochondria.

Target Details

Molecular Weight: 37893

UniProt: [O96008](#)

Application Details

Application Notes: IF: 1:25. WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

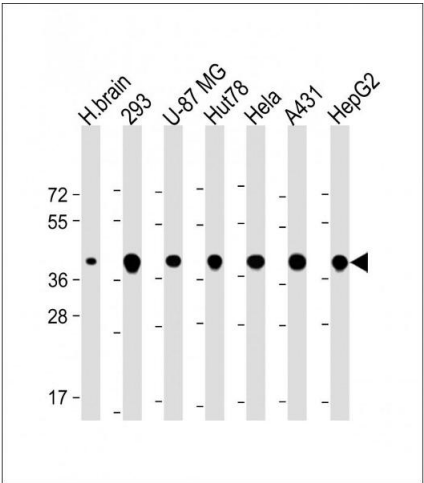
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

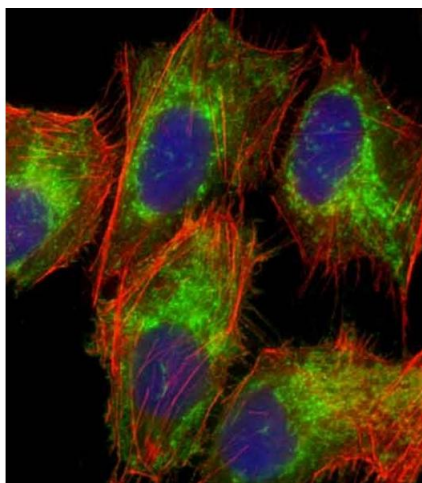
Expiry Date: 6 months

Images



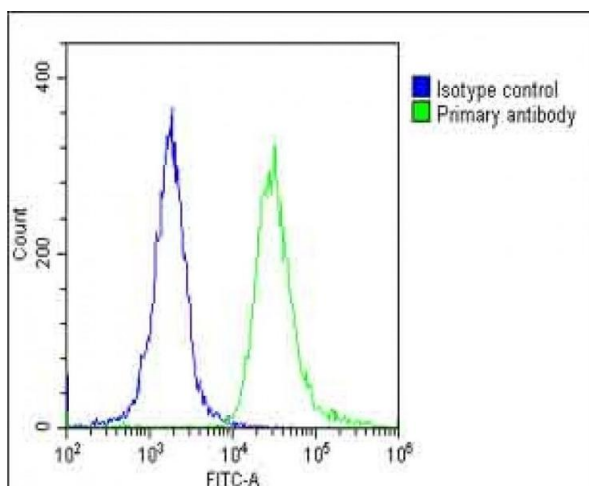
Western Blotting

Image 1. All lanes : Anti-TO Antibody (N-Term) at 1:2000 dilution Lane 1: Human brain lysate Lane 2: 293 whole cell lysate Lane 3: U-87 MG whole cell lysate Lane 4: Hut78 whole cell lysate Lane 5: HeLa whole cell lysate Lane 6: A431 whole cell lysate Lane 7: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling TO with (ABIN6244022 and ABIN6578804) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing mitochondrion staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DI (blue).



Flow Cytometry

Image 3. Overlay histogram showing HeLa cells stained with (ABIN6244022 and ABIN6578804) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6244022 and ABIN6578804), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.