

TOMM20 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50780**Specification**

TOMM20 Antibody - Product Information

Application	WB
Primary Accession	Q15388
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16 KDa
Antigen Region	27-55

TOMM20 Antibody - Additional Information**Gene ID** 9804**Other Names**

Mitochondrial import receptor subunit TOM20 homolog, Mitochondrial 20 kDa outer membrane protein, Outer mitochondrial membrane receptor Tom20, TOMM20, KIAA0016

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

TOMM20 Antibody - Protein Information**Name** TOMM20**Synonyms** KIAA0016**Function**

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 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 (By similarity). Required for the translocation across the mitochondrial outer membrane of cytochrome P450 monooxygenases.

Cellular Location

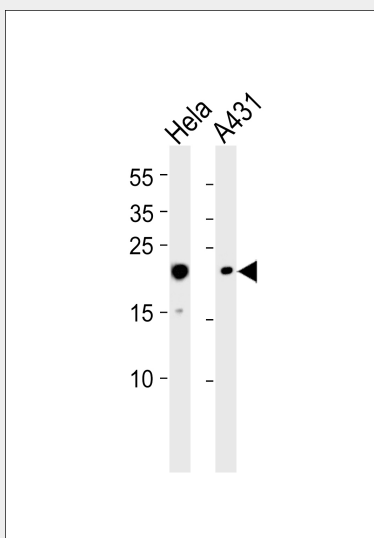
Mitochondrion outer membrane; Single-pass membrane protein

TOMM20 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TOMM20 Antibody - Images



Western blot analysis of lysates from HeLa, A431 cell line (from left to right), using TOMM20 Antibody (AP50780). AP50780 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

TOMM20 Antibody - Background

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 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 (By similarity).

TOMM20 Antibody - References

- Gopong I.S., et al. FEBS Lett. 373:45-50(1995).
Seki N., et al. FEBS Lett. 375:307-310(1995).
Hernandez J.M., et al. Gene 239:283-291(1999).
Nomura N., et al. DNA Res. 1:27-35(1994).
Ota T., et al. Nat. Genet. 36:40-45(2004).