

TOMM40 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3090a**Specification**

TOMM40 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O96008
Other Accession	NP_006105.1 , 10452 , 53333 (mouse) , 308416 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	37893

TOMM40 Antibody (internal region) - Additional Information**Gene ID** 10452**Other Names**

Mitochondrial import receptor subunit TOM40 homolog, Protein Haymaker, Translocase of outer membrane 40 kDa subunit homolog, p38.5, TOMM40, C19orf1, PEREC1, TOM40

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TOMM40 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TOMM40 Antibody (internal region) - Protein Information**Name** TOMM40**Synonyms** C19orf1, PEREC1, TOM40

Function

Channel-forming protein essential for import of protein precursors into mitochondria (PubMed:15644312, PubMed:31206022). Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by forming a complex with BCAP31 and mediating the translocation of Complex I components from the cytosol to the mitochondria (PubMed:31206022).

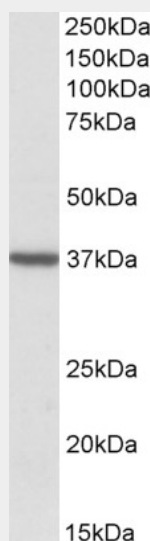
Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Note=Associates with the mitochondria- associated ER membrane via interaction with BCAP31

TOMM40 Antibody (internal region) - 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](#)

TOMM40 Antibody (internal region) - Images

AF3090a (2 µg/ml) staining of Human Frontal Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TOMM40 Antibody (internal region) - Background

Reported variants represent identical protein: NP_001122389.1, NP_001122388.1, NP_006105.1.

TOMM40 Antibody (internal region) - References

Use of expression data and the CGEMS genome-wide breast cancer association study to identify genes that may modify risk in BRCA1/2 mutation carriers. Walker LC, Waddell N, Ten Haaf A, Grimmond S, Spurdle AB. Breast cancer research and treatment 2008 Nov 112 (2): 229-36. PMID: 18095154