

TOMM5 Rabbit pAb

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Catalog # AP56657

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N4H5
Predicted	Orangutan, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	6035
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TOMM5
Epitope Specificity	1-30/51
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion outer membrane; Single-pass membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Forms part of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) which consists of at least 7 different proteins (TOMM5, TOMM6, TOMM7, TOMM20, TOMM22, TOMM40 and TOMM70).

Additional Information

Gene ID	401505
Other Names	Mitochondrial import receptor subunit TOM5 homolog, TOMM5, C9orf105, TOM5
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TOMM5
Synonyms	C9orf105, TOM5

Function	Component of the translocase of the outer membrane of mitochondria (TOM) complex essential for the recognition and translocation of cytosolically synthesized mitochondrial preproteins (PubMed: 40080546). The TOM complex associates with the ion channel VDAC2 and PINK1 kinase at depolarized mitochondria, this interaction stabilizes PINK1 at the outer mitochondrial membrane and triggers downstream mitophagy by the recruitment of the E3 ubiquitin ligase PRKN (PubMed: 40080546).
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.