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[Marker Primary Antibody]

Rabbit Anti-TOMM22/Biotin Conjugated antibody

Catalog Number: SL17225R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-TOMM22/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human TOMM22
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep)
Background:	background: The protein encoded by this gene is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion. [provided by RefSeq, Jul 2008] **Function:** Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore. **Subunit:** Forms part of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) which consists of at least 7 different

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	proteins (TOMM5, TOMM6, TOMM7, TOMM20, TOMM22, TOMM40 and TOMM70). Interacts with TOMM40. Interacts with PPP2R2B (By similarity). **Subcellular Location:** Mitochondrion outer membrane; Single-pass membrane protein **Tissue Specificity:** Ubiquitous. **Similarity:** Belongs to the Tom22 family. **Database links:** **Entrez Gene:** 56993 Human **Entrez Gene:** 223696 Mouse **Entrez Gene:** 300075 Rat Omim: 607046 Human **SwissProt:** Q9CPQ3 Mouse **SwissProt:** Q75Q41 Rat **Unigene:** 285005 Human **Unigene:** 246435 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.