



Rabbit Anti-TOM1 antibody

SL17222R

Product Name:	TOM1
Chinese Name:	TOM1蛋白抗体
Alias:	FLJ33404; OTTHUMP00000028777; Target of myb 1; TOM1_HUMAN; Target of Myb protein 1; Target of myb1; TOM 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,Chimpanzee,Rhesus monkey
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TOM1:1-100/492
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene was identified as a target of the v-myb oncogene. The encoded protein shares its N-terminal domain in common with proteins associated with vesicular trafficking at the endosome. It is recruited to the endosomes by its interaction with endofin. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Function:

TOM1 may be involved in intracellular trafficking. In conjunction with Tollip it plays an important role in recruiting clathrin onto endosomes and may modulate endosomal functions.

Subunit:

Interacts with ZFYVE16; interaction is required to target it to endosomes.

Subcellular Location:

Cytoplasm. Membrane; Peripheral membrane protein

Tissue Specificity:

Widely expressed. Highly expressed in skeletal muscle, heart, placenta and liver

Similarity:

Belongs to the TOM1 family.

Contains 1 GAT domain.

Contains 1 VHS domain.

SWISS:

O60784

Gene ID:

10043

Database links:

[Entrez Gene: 10043](#) Human

[Entrez Gene: 608746](#) Dog

[Entrez Gene: 21968](#) Mouse

[Entrez Gene: 361370](#) Rat

[Entrez Gene: 717499](#) Rhesus monkey

[Omim: 604700](#) Human

[SwissProt: O60784](#) Human

[SwissProt: O88746](#) Mouse

[SwissProt: Q5XI21](#) Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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