



## Rabbit Anti-TOM1L1 antibody

SL13670R

<b>Product Name:</b>	TOM1L1
<b>Chinese Name:</b>	Src激活和信号分子蛋白抗体
<b>Alias:</b>	OK/KNS CL.3; Src activating and signaling molecule; Src activating and signaling molecule protein; Src-activating and signaling molecule protein; SRCASM; Target of Myb like protein 1; Target of Myb-like protein 1; Target of myb1 (chicken) homolog like 1; Target of myb1 (chicken) like 1; Target of myb1 like 1; TM1L1_HUMAN; TOM1 L1; TOM1 like protein 1; TOM1-like protein 1; TOM1L1; TOM1L1 protein.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	53kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TOM1L1:1-100/476
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 癢 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癢. 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 癢.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Tom1L-1 is a 476 amino acid Golgi apparatus protein belonging to the TOM1 family and is a member of the multivesicular body (MVB) sorting machinery. Containing a

GAT domain and a VHS domain, Tom1L-1 interacts with Fyn, GRB2, PI 3-kinase p85 and various signaling proteins when phosphorylated. GAT domain of Tom1L1 binds ubiquitin, suggesting participation in the sorting of ubiquitinated proteins into MVBs. Tom1L-1 may act as an adapter protein involved in signaling pathways and may promote Fyn activation, possibly by disrupting intramolecular SH3-dependent interactions. As an interactor and a substrate of Src tyrosine kinases (SFK), Tom1L1 is considered a novel mechanism involved in negative regulation of SFK mitogenic and transforming signals. Tom1L1 modulates SFK partitioning at the plasma membrane and downregulates Src kinases in an endosomal-dependent manner. It is suggested that Tom1L-1 functions as an anti-oncogene by inhibiting the formation of squamous cell carcinomas in skin.

**Function:**

Probable adapter protein involved in signaling pathways. Interacts with the SH2 and SH3 domains of various signaling proteins when it is phosphorylated. May promote FYN activation, possibly by disrupting intramolecular SH3-dependent interactions.

**Subunit:**

Interacts with FYN, GRB2 and PIK3R1 when phosphorylated (By similarity). Interacts with LYN (By similarity).

**Subcellular Location:**

Golgi apparatus; Golgi stack. Endosome membrane.

**Post-translational modifications:**

Phosphorylated on tyrosines by FYN (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the TOM1 family.

Contains 1 GAT domain.

Contains 1 VHS domain.

**SWISS:**

O75674

**Gene ID:**

10040

**Database links:**

[Entrez Gene: 10040](#) Human

[Omim: 604701](#) Human

[SwissProt: O75674](#) Human

[Unigene: 153504](#) Human

**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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