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Datasheet for ABIN1711097
anti-TOM1L1 antibody (AA 1-100) (HRP)

Overview

Quantity:	100 µL
Target:	TOM1L1
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOM1L1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TOM1L1
Isotype:	IgG
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TOM1L1
Alternative Name:	TOM1L1 (TOM1L1 Products)
Background:	Synonyms: OK/KNS CL.3, Src activating and signaling molecule, Src activating and signaling

Target Details

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.

Background: 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.

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months