

Rabbit anti-Human, Mouse TMED2 Polyclonal Antibody | anti-TMED2 antibody

TMED2 Antibody

CATALOG # AAA229448	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

TMED2; Polyclonal Antibody; TMED2 Antibody; Transmembrane emp24 domain-containing protein 2 (Membrane protein p24A) (p24) (p24 family protein beta-1) (p24beta1); RNP24; anti-TMED2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	201
Applicable Applications for anti-TMED2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Transmembrane emp24 domain-containing protein 2 protein (26-111AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Species	Human
Research Area	Signal Transduction
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-292002
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA229448 at dilution of 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA229448 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: TMED2 antibody at 6ug/mlLane 1: HCT116 whole cell lysateLane 2: Mouse Ovarian tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 23 kDaObserved band size: 23 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TMED2 antibody	Involved in vesicular protein trafficking. Mainly functions in the early secretory pathway but also in post-Golgi membranes. Thought to act as cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and to be involved in vesicle coat formation at the cytoplasmic side. In COPII vesicle-mediated anterograde transport involved in the transport of GPI-anchored proteins and proposed to act together with TMED10 as their cargo receptor; the function specifically implies SEC24C and SEC24D of the COPII vesicle coat and lipid raft-like microdomains of the ER. Recognizes GPI anchors structural remodeled in the ER by PGAP1 and MPPE1. In COPI vesicle-mediated retrograde transport inhibits the GTPase-activating activity of ARFGAP1 towards ARF1 thus preventing immature uncoating and allowing cargo selection to take place. Involved in trafficking of G protein-coupled receptors (GPCRs). Regulates F2RL1, OPRM1 and P2RY4 exocytic trafficking from the Golgi to the plasma membrane thus contributing to receptor resensitization. Facilitates CASR maturation and stabilization in the early secretory pathway and increases CASR plasma membrane targeting. Proposed to be involved in organization of intracellular membranes such as the maintenance of the Golgi apparatus. May also play a role in the biosynthesis of secreted cargo such as eventual processing.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803149
NCBI GeneID	10959
NCBI Accession #	NP_006806.1
NCBI GenBank Nucleotide #	NM_006815.3
UniProt Accession #	Q15363
NCBI Official Full Name	transmembrane emp24 domain-containing protein 2
NCBI Official Synonym Full Names	transmembrane p24 trafficking protein 2
NCBI Official Symbol	TMED2
NCBI Official Synonym Symbols	p24; P24A; RNP24; p24b1
NCBI Protein Information	transmembrane emp24 domain-containing protein 2
UniProt Protein Name	Transmembrane emp24 domain-containing protein 2
UniProt Gene Name	TMED2
UniProt Synonym Gene Names	RNP24; p24beta1
UniProt Entry Name	TMED2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.