

TMED1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17714c

Product Information

Application	WB, E
Primary Accession	Q13445
Other Accession	Q2TBK5 , NP_006849.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37763
Calculated MW	25206
Antigen Region	77-104

Additional Information

Gene ID	11018
Other Names	Transmembrane emp24 domain-containing protein 1, Interleukin-1 receptor-like 1 ligand, Putative T1/ST2 receptor-binding protein, p24 family protein gamma-1, Tp24, p24gamma1, TMED1, IL1RL1L, IL1RL1LG
Target/Specificity	This TMED1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77-104 amino acids from the Central region of human TMED1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TMED1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMED1
Synonyms	IL1RL1L, IL1RL1LG

Function	Potential role in vesicular protein trafficking, mainly in the early secretory pathway. May act as a cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and may be involved in vesicle coat formation at the cytoplasmic side. Plays a positive role in IL-33-mediated IL-8 and IL-6 production by interacting with interleukin-33 receptor IL1RL1 (PubMed: 23319592). Also plays a role in the modulation of innate immune signaling through the cGAS-STING pathway by interacting with RNF26 (PubMed: 32614325).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus, cis-Golgi network membrane; Single-pass type I membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed..

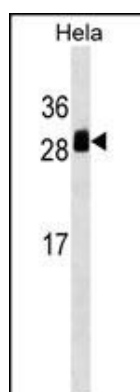
Background

The protein encoded by this gene was identified by its interaction with interleukin 1 receptor-like 1 (IL1RL1). This protein lacks any similarity to other interleukin 1 ligands. The functional significance of its interaction with IL1RL1 is not known.

References

Tare, N., et al. Exp. Cell Res. 316(15):2527-2537(2010)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Grimwood, J., et al. Nature 428(6982):529-535(2004)
Gayle, M.A., et al. J. Biol. Chem. 271(10):5784-5789(1996)

Images



TMED1 Antibody (Center) (Cat. #AP17714c) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the TMED1 antibody detected the TMED1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.