SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TMED4 antibody

Catalog Number: SL6208R

FOR RESEARCH USE ONLY

[DATASHEET]

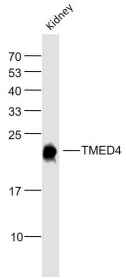
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TMED4
Immunogen:	KLH conjugated synthetic peptide derived from human TMED4: 41-140/227
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	23kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	TMED4 is a putative NF-kB activating protein belonging to the EMP24/GP25L family, and contains 1 GOLD domain. It is also known as Transmembrane emp24 protein transport domain containing 4. **Function:** Involved in vesicular protein trafficking, mainly in the early secretory pathway. targeting. Involved in the maintenance of the Golgi apparatus. Appears to play a role in the biosynthesis of secreted cargo including processing. Involved in endoplasmic reticulum stress response. May play a role in the regulation of heat-shock response and apoptosis **Subcellular Location:** Endoplasmic reticulum membrane; Single-pass type I membrane protein **Similarity:** Belongs to the EMP24/GP25L family. Contains 1 GOLD domain.

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

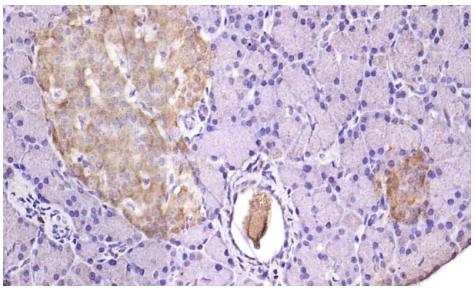
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	Database links: **Entrez Gene:** 222068 Human **Entrez Gene:** 103694 Mouse **Entrez Gene:** 305502 Rat Omim: 612038 Human **SwissProt:** Q7Z7H5 Human **SwissProt:** Q8R1V4 Mouse **Unigene:** 598832 Human **Unigene:** 715273 Human **Unigene:** 254495 Mouse

[VALIDATION IMAGES]



Sample:
Kidney (Mouse) Lysate at 40 ug
Primary: Anti-TMED4 (SL6208R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23 kD
Observed band size: 23 kD



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMED4) Polyclonal Antibody, Unconjugated (SL6208R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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