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Tmem147 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13126

Product Information

Application	WB
Primary Accession	Q2TA63
Other Accession	NM_001038494, NP_001033583
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25291

Additional Information

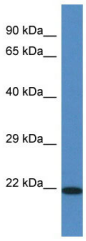
Gene ID	292792
Alias Symbol	MGC125231, RGD1304706
Other Names	Transmembrane protein 147, Tmem147
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Tmem147 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tmem147 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tmem147 {ECO:0000312|RGD:1304706}
Function	Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes. The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions. Also acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane. Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity. Regulates LBR localization to the nucleus inner membrane.

Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9BVK8}; Multi-pass membrane protein. Nucleus membrane {ECO:0000250|UniProtKB:Q9BVK8}; Multi- pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:I6VSD2}; Multi-pass membrane protein

Images



WB Suggested Anti-Tmem147 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Brain