SunLong Biotech Co.,LTD
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[Primary Antibody]

Mouse Anti-TMEM111 antibody

Catalog Number: SLM-60375M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a/Kappa
Clonality:	Monoclonal
Clone No.:	D10C11
Target:	TMEM111
Purification:	Affinity purified by Protein G
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=1:500-1000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=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:	Human(predicted:Mouse,Rat)
Subcellular Location:	cytoplasmic The cell membrane
Background:	A part of the endoplasmic reticulum membrane protein complex (EMC), it enables newly synthesized membrane proteins to be independently inserted into the endoplasmic reticulum membrane. It preferentially regulates proteins with weakly hydrophobic transmembrane domains or those containing unstable features (such as charged residues and aromatic residues). It is involved in the cotranslational insertion of multi-pass membrane proteins, where the stop-transfer membrane anchor sequence becomes an endoplasmic reticulum transmembrane helix. It is also essential for the post-translational insertion of tail-anchored/TA proteins into the endoplasmic reticulum membrane. It controls the topology of multi-pass membrane proteins, such as G protein-coupled receptors, by mediating the correct cotranslational insertion of N-terminal transmembrane

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	domains in the N-exo topology and the translocation of N-termini into the endoplasmic reticulum lumen. By regulating the insertion of various proteins into the cell membrane, it is indirectly involved in many cellular processes.

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