TMEM41B Mouse mAb

Catalog No	YP-mAb-19578
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	TMEM41B KIAA0033
Immunogen	Synthesized peptide derived from human TMEM41B. AA range :80-120
Specificity	This antibody detects endogenous levels of TMEM41B at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	TMEM41B KIAA0033;Transmembrane protein 41B
Observed Band	
Calculated Molecular Weight	32kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Endomembrane system . Localized to specific membrane structures termed mitochondria-associated membranes (MAMs) which connect the endoplasmic reticulum (ER) and the mitochondria. .; Cytoplasm . (Microbial infection) Upon infection with infection with flaviviruses , diffuse reticular-like pattern to a large cytosolic aggregate that colocalizes with viral non-structural proteins , NS4A (ZIKV) and NS4B (YFV) . .
Tissue Specificity	
Function	Phospholipid scramblase involved in lipid homeostasis and membrane dynamics processes . Has phospholipid scramblase activity toward cholesterol and phosphatidylserine , as well as phosphatidylethanolamine and phosphatidylcholine . Required for autophagosome formation: participates in early stages of autophagosome biogenesis at the endoplasmic reticulum (ER) membrane by reequilibrating the leaflets of the ER as lipids are extracted by ATG2 (ATG2A or ATG2B) to mediate autophagosome assembly . In addition to autophagy , involved in other processes in which phospholipid scramblase activity is required . Required for normal motor neuron development (By similarity) . ; (Microbial infection) Critical host factor required for infection by human

	coronviruses SARS-CoV-2 , HCoV-OC43 , HCoV-NL63 , and HCoV-229E , as well as all flaviviruses tested such as Zika virus and Yellow fever virus . Required post-entry of the virus to facilitate the ER membrane remodeling necessary to form replication organelles .
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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