

TMEM55B Rabbit pAb

CatalogNo: YN6396

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 30kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human TMEM55B

Specificity

This antibody detects endogenous levels of TMEM55B at Human, Mouse, Rat

| Target Information

Gene name

TMEM55B C14orf9

Protein Name	Transmembrane protein 55B (PtdIns-4,5-P2 4-Ptase I) (Type I phosphatidylinositol 4,5-bisphosphate 4-phosphatase)		
	Organism	Gene ID	UniProt ID
	Human	90809 ;	Q86T03 ;
	Mouse	219024 ;	Q3TWL2 ;
	Rat	364298 ;	Q5PPM8 ;
Cellular Localization	Late endosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, phagosome membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .		
Tissue specificity	Ubiquitous.		
Function	Catalyzes the hydrolysis of phosphatidylinositol-4,5-bisphosphate (PtdIns-4,5-P2) to phosphatidylinositol-4-phosphate (PtdIns-4-P) . Does not hydrolyze phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-bisphosphate, inositol 3,5-bisphosphate, inositol 3,4-bisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate . Regulates lysosomal positioning by recruiting JIP4 to lysosomal membranes, thus inducing retrograde transport of lysosomes along microtubules . Contributes to assembly of the V-ATPase complex in lipid rafts of the lysosomal membrane and to subsequent amino acid-dependent activation of mTORC1 . May play a role in the regulation of cellular cholesterol metabolism .		

Validation Data

Contact information

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