



TMEM175 mouse mAb

Catalog No	YP-mAb-17919
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TMEM175
Protein Name	Transmembrane protein 175
Immunogen	Synthesized peptide derived from human TMEM175
Specificity	This antibody detects endogenous levels of TMEM175 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	55kD
Cell Pathway	Endosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein .
Tissue Specificity	Widely expressed.
Function	Organelle-specific potassium channel specifically responsible for potassium conductance in endosomes and lysosomes . Forms a potassium-permeable leak-like channel, which regulates luminal pH stability and is required for autophagosome-lysosome fusion . Constitutes the major lysosomal potassium channel . Constitutes the pore-forming subunit of the lysoK(GF) complex, a complex activated by extracellular growth factors . The lysoK(GF) complex is composed of TMEM175 and AKT (AKT1, AKT2 or AKT3), a major target of growth factor receptors: in the complex, TMEM175 channel is opened by conformational changes by AKT, leading to its activation . The lysoK(GF) complex is required to protect neurons against stress-induced damage .
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.

Products Images