



GRAMD1B mouse mAb

Catalog No	YP-mAb-18007
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GRAMD1B KIAA1201 UNQ3032/PRO9834
Immunogen	Synthesized peptide derived from human GRAMD1B
Specificity	This antibody detects endogenous levels of GRAMD1B at Human, Mouse
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	GRAM domain containing 1B;GRAM domain-containing protein 1B;KIAA1201; Protein Aster-B;UNQ3032/PRO9834;GRAMD1B;GRAMD1B KIAA1201 UNQ3032/PRO9834
Observed Band	85 kDa
Calculated Molecular Weight	738 aa, 85 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein . Cell membrane ; Single-pass membrane protein . In lipid-poor conditions localizes to the ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic reticulum-plasma membrane contact sites (EPCS). .
Tissue Specificity	
Function	Cholesterol transporter that mediates non-vesicular transport of cholesterol from the plasma membrane (PM) to the endoplasmic reticulum (ER) (By similarity). Contains unique domains for binding cholesterol and the PM, thereby serving as a molecular bridge for the transfer of cholesterol from the PM to the ER (By similarity). Plays a crucial role in cholesterol homeostasis in the adrenal gland and has the unique ability to localize to the PM based on the level of membrane cholesterol (By similarity). In lipid-poor conditions localizes to the ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic



reticulum-plasma membrane contact sites (EPCS) which is mediated by the GRAM domain (By similarity). At the EPCS, the sterol-binding VAST/ASTER domain binds to the cholesterol in the PM and facilitates its transfer from the PM to ER (By similarity).

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