

Rab27b antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13963

Product Information

Application	WB
Primary Accession	Q99P58
Other Accession	NM_030554 , NP_085031
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24560

Additional Information

Gene ID	80718
Alias Symbol	2310021G14Rik, B130064M09Rik
Other Names	Ras-related protein Rab-27B, Rab27b
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Rab27b antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Rab27b antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

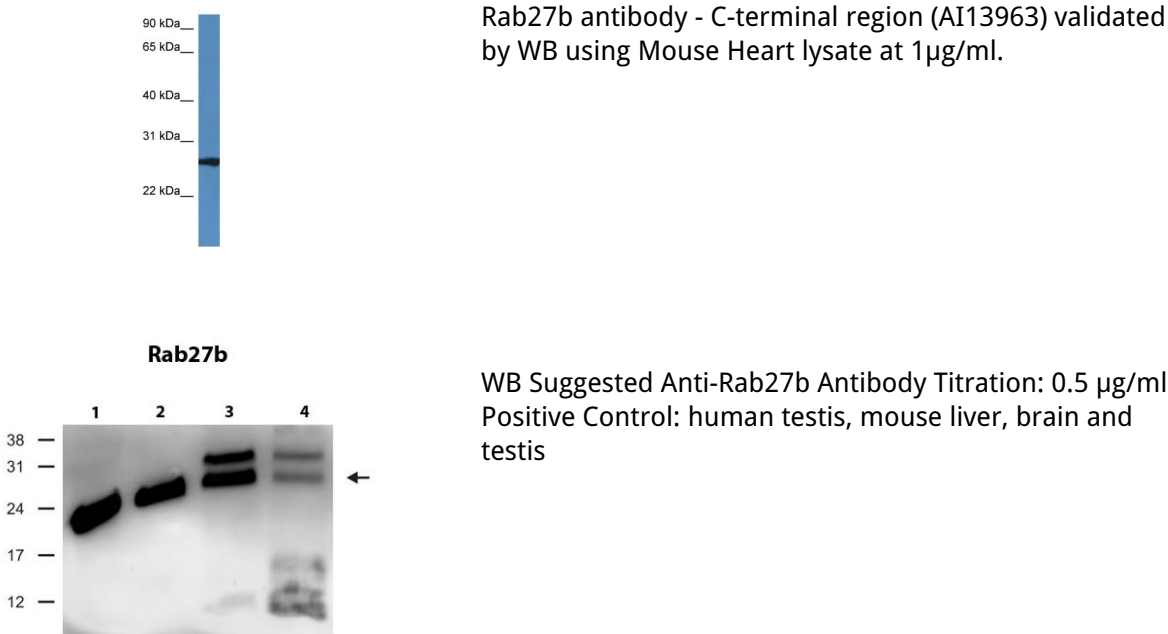
Name	Rab27b {ECO:0000312 MGI:MGI:1931295}
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). RAB27B regulates homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion (By similarity). Plays a role in NTRK2/TRKB axonal anterograde transport by facilitating the association of NTRK2/TRKB with KLC1 (By similarity). May be involved in targeting uroplakins to urothelial apical membranes (By similarity).

Cellular Location	Membrane {ECO:0000250 UniProtKB:O00194}; Lipid- anchor {ECO:0000250 UniProtKB:O00194}. Late endosome {ECO:0000250 UniProtKB:O00194}
Tissue Location	Expressed abundantly in the stomach and is predominantly localized at the apical region of gastric-surface mucus cells. Also expressed in the brain and spleen

References

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 Chen Y.,et al.Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
 Zhao S.,et al.Endocrinology 143:1817-1824(2002).
 Fukuda M.,et al.J. Biol. Chem. 277:43096-43103(2002).
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