

RAB6B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13850b

Specification

RAB6B Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB,E <u>O9NRW1</u> <u>P61294</u>, <u>A6OR46</u>, <u>NP_057661.3</u> Human Bovine, Mouse Rabbit Polyclonal Rabbit IgG 23462 167-195

RAB6B Antibody (C-term) - Additional Information

Gene ID 51560

Other Names Ras-related protein Rab-6B, RAB6B

Target/Specificity

This RAB6B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 167-195 amino acids from the C-terminal region of human RAB6B.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions RAB6B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB6B Antibody (C-term) - Protein Information

Name RAB6B (HGNC:14902)



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 active GTP-bound and inactive GDP-bound states. In their active state, drive transport of vesicular carriers from donor organelles to acceptor organelles to regulate the membrane traffic that maintains organelle identity and morphology (By similarity). Recruits VPS13B to the Golgi membrane (PubMed:25492866). Regulates the compacted morphology of the Golgi (PubMed:26209634). Seems to have a role in retrograde membrane traffic at the level of the Golgi complex. May function in retrograde transport in neuronal cells (PubMed:17707369). Plays a role in neuron projection development (PubMed:25492866).

Cellular Location

Golgi apparatus membrane; Lipid-anchor. Endoplasmic reticulum-Golgi intermediate compartment Cytoplasmic vesicle. Note=Colocalizes with BICD1 at vesicular structures that align along microtubules

Tissue Location Predominantly expressed in brain.

RAB6B Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

RAB6B Antibody (C-term) - Images



RAB6B Antibody (C-term) (Cat. #AP13850b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the RAB6B antibody detected the RAB6B protein (arrow).

RAB6B Antibody (C-term) - Background

RAB6B seems to have a role in retrograde membrane traffic at the level of the Golgi complex. May function in retrograde transport in neuronal cells.



RAB6B Antibody (C-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press : Wanschers, B., et al. Cell Motil. Cytoskeleton 65(3):183-196(2008) Wanschers, B.F., et al. Exp. Cell Res. 313(16):3408-3420(2007) Wu, C., et al. Proteomics 7(11):1775-1785(2007) Garcia-Saez, I., et al. Acta Crystallogr. D Biol. Crystallogr. 62 (PT 7), 725-733 (2006) :