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Rab6b (14D18) Rat Monoclonal Antibody

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Catalog # AP93632

Specification

Rab6b (14D18) Rat Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	P61294
Reactivity	**Rat, Mouse**
Clonality	**Monoclonal**
Calculated MW	**23462**

Rab6b (14D18) Rat Monoclonal Antibody - Additional Information

Gene ID 270192

Other Names
Ras-related protein Rab-6B, 3.6.5.2, Rab6b, D9Bwg0185e

Dilution
WB~~1:1000

Storage Conditions
-20℃

Rab6b (14D18) Rat Monoclonal Antibody - Protein Information

Name Rab6b {ECO:0000312|MGI:MGI:107283}

Synonyms D9Bwg0185e

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. Recruits VPS13B to the Golgi membrane. Regulates the compacted morphology of the Golgi. Seems to have a role in retrograde membrane traffic at the level of the Golgi complex. May function in retrograde transport in neuronal cells. Plays a role in neuron projection development.

Cellular Location
Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9NRW1}; Lipid-anchor. Endoplasmic reticulum-Golgi intermediate compartment {ECO:0000250|UniProtKB:Q9NRW1}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q9NRW1}. Note=Colocalizes with BICD1 at vesicular structures that align along microtubules {ECO:0000250|UniProtKB:Q9NRW1}

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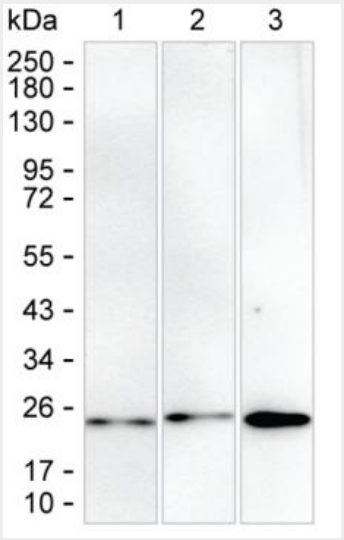
Rab6b (14D18) Rat Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rab6b (14D18) Rat Monoclonal Antibody - Images



Various protein samples were run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. AP93632 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-rat IgG was used as the secondary antibody. Rab6b band was visualized using ECL Substrate. Lane 1: 15 µg of SH-SY5Y lysate Lane 2: 15 µg of mouse brain tissue lysate Lane 3: 15 µg of rat brain tissue lysate Result: AP93632 can detect Rab6b by Western blotting.