

Technical Data Sheet

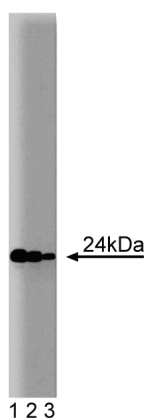
Purified Mouse Anti-Rab11

Product Information

| | |
|------------------|--|
| Material Number: | 610656 |
| Size: | 50 µg |
| Concentration: | 250 µg/ml |
| Clone: | 47/Rab11 |
| Immunogen: | Human Rab11 aa. 86-207 |
| Isotype: | Mouse IgG2a |
| Reactivity: | QC Testing: Dog Tested in Development: Chicken, Human, Mouse, Rat |
| Target MW: | 24 kDa |
| Storage Buffer: | Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide. |

Description

The Rab proteins are small GTP-binding molecules that are localized to specific intracellular vesicles and organelles. It has been proposed that Rab proteins cycle between GTP- and GDP-bound forms and that this is related to their function as regulators of vesicular traffic. The *Rab11* gene encodes a 24 kDa protein of 214 amino acids that has been detected in liver, brain, testis, spleen, and heart. Rab11 protein was isolated from the golgi-microsomal fraction of rat liver and has been detected in the Trans-golgi Network, secretory vesicles, and the pericentriolar recycling endosomes. The distribution of Rab11 indicates that this small protein is involved in regulating traffic at the Golgi complex.



Western blot analysis of Rab11 on MDCK lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of MDCK.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at -20° C.

Application Notes

Application

| | |
|----------------------|---------------------------|
| Western blot | Routinely Tested |
| Immunofluorescence | Tested During Development |
| Immunohistochemistry | Tested During Development |
| Immunoprecipitation | Not Recommended |

Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml.

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Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|------------------------|--------|--------|
| 611635 | MDCK Cell Lysate | 500 µg | (none) |
| 554002 | HRP Goat Anti-Mouse Ig | 1.0 ml | (none) |

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Choudhury A, Dominguez M, Puri V, et al. Rab proteins mediate Golgi transport of caveola-internalized glycosphingolipids and correct lipid trafficking in Niemann-Pick C cells. *J Clin Invest.* 2002; 109(12):1541-1550.(Clone-specific: Western blot)
- Lai F, Stubbs L, Artzt K. Molecular analysis of mouse Rab11b: a new type of mammalian YPT/Rab protein. *Genomics.* 1994; 22(3):610-616.(Biology)
- Sakurada K, Uchida K, Yamaguchi K, et al. Molecular cloning and characterization of a ras p21-like GTP-binding protein (24KG) from rat liver. *Biochem Biophys Res Commun.* 1991; 177(3):1224-1232.(Biology)
- Steiner P, Sarria JC, Glauser L, Magnin S, Catsicas S, Hirling H. Modulation of receptor cycling by neuron-enriched endosomal protein of 21 kD. *J Cell Biol.* 2002; 157(7):1197-1209.(Clone-specific: Immunofluorescence, Western blot)
- Woods AJ, Roberts MS, Choudhary J, et al. Paxillin associates with poly(A)-binding protein 1 at the dense endoplasmic reticulum and the leading edge of migrating cells. *J Biol Chem.* 2002; 277(8):6428-6437.(Clone-specific: Western blot)