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Datasheet for ABIN968104 anti-RABEP1 antibody (AA 247-417)

4 Images

3 Publications



Overview

| Quantity: | 50 µg |
|----------------------|---|
| Target: | RABEP1 |
| Binding Specificity: | AA 247-417 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This RABEP1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF) |

Product Details

| Immunogen: | Human Rabaptin-5 aa. 247-417. |
|-------------------|---|
| Clone: | 20-Rabaptin |
| Isotype: | lgG1 |
| Cross-Reactivity: | Mouse (Murine), Rat (Rattus) |
| Characteristics: | 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. |
| | Please refer to us for technical protocols. 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. |

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| Product Details | |
|-----------------|---|
| Purification: | The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity |
| | chromatography. |

Target Details

| Target: | RABEP1 |
|-------------------|--|
| Alternative Name: | Rabaptin-5 (RABEP1 Products) |
| Background: | Rabs are small GTP-binding proteins that are localized to specific intracellular vesicles and organelles. They are important for the regulation of vesicular traffic. It is thought that Rabs cycle between GTP- and GDP-bound forms and this cycle is related to their function. Rabaptin-5 is protein that interacts with GTP-Rab5. Although Rabaptin-5 is localized in the cytosol, it is also recruited to the endosomal fraction in a Rab5 and GTP-dependent manner. The removal of Rabaptin-5 from the cytosol substantially impairs GTP and Rab5-dependent endosomal fusion. This indicates that Rabaptin-5 may be an important partner of Rab5 during endocytosis. Rabaptin-5 contains 862 amino acids and both ends of the protein contain coiled-coil domains typically found in vesicular transport proteins. This antibody is routinely tested by western blot analysis. |
| Molecular Weight: | 117 kDa |

Application Details

| Comment: | Related Products: ABIN968585, ABIN967389 |
|---------------|--|
| Restrictions: | For Research Use only |
| | |

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 250 μg/mL |
| Buffer: | Aqueous buffered solution containing BSA, glycerol, and ≤ 0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store undiluted at -20° C. |

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Shiba, Takatsu, Shin, Nakayama: "Gamma-adaptin interacts directly with Rabaptin-5 through its ear domain." in: **Journal of biochemistry**, Vol. 131, Issue 3, pp. 327-36, (2002) (PubMed).

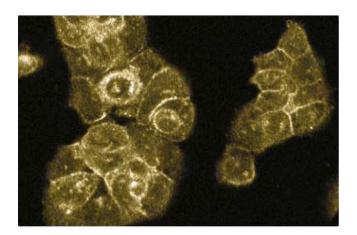
Zhu, Doray, Poussu, Lehto, Kornfeld: "Binding of GGA2 to the lysosomal enzyme sorting motif of the mannose 6-phosphate receptor." in: **Science (New York, N.Y.)**, Vol. 292, Issue 5522, pp. 1716-8, (2001) (PubMed).

Stenmark, Vitale, Ullrich, Zerial: "Rabaptin-5 is a direct effector of the small GTPase Rab5 in endocytic membrane fusion." in: **Cell**, Vol. 83, Issue 3, pp. 423-32, (1996) (PubMed).

Images



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Immunofluorescence

Image 3. Immunofluorescence staining of A431 cells.

Please check the product details page for more images. Overall 4 images are available for ABIN968104.

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