

Datasheet for ABIN968090

anti-RAB11A antibody (AA 86-207)[Go to Product page](#)**1** Image**4** Publications

Overview

Quantity:	50 µg
Target:	RAB11A
Binding Specificity:	AA 86-207
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAB11A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human Rab11 aa. 86-207
Clone:	47-Rab11
Isotype:	IgG2a
Cross-Reactivity:	Dog (Canine), Chicken, Mouse (Murine), Rat (Rattus)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us 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.

Product Details

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

Target:	RAB11A
Alternative Name:	Rab11 (RAB11A Products)
Background:	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.
Molecular Weight:	24 kDa
Pathways:	Regulation of Cell Size , Thromboxane A2 Receptor Signaling , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Comment:	Related Products: ABIN968619, ABIN967389
Restrictions:	For Research Use only

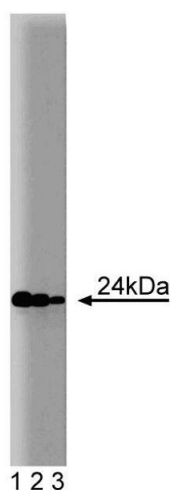
Handling

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.

Publications

- Product cited in: Steiner, Sarria, Glauser, Magnin, Catsicas, Hirling: "Modulation of receptor cycling by neuron-enriched endosomal protein of 21 kD." in: **The Journal of cell biology**, Vol. 157, Issue 7, pp. 1197-209, (2002) ([PubMed](#)).
- Choudhury, Dominguez, Puri, Sharma, Narita, Wheatley, Marks, Pagano: "Rab proteins mediate Golgi transport of caveola-internalized glycosphingolipids and correct lipid trafficking in Niemann-Pick C cells." in: **The Journal of clinical investigation**, Vol. 109, Issue 12, pp. 1541-50, (2002) ([PubMed](#)).
- Lai, Stubbs, Artzt: "Molecular analysis of mouse Rab11b: a new type of mammalian YPT/Rab protein." in: **Genomics**, Vol. 22, Issue 3, pp. 610-6, (1995) ([PubMed](#)).
- Sakurada, Uchida, Yamaguchi, Aisaka, Ito, Ohmori, Takeyama, Ueda, Hori, Ohyanagi: "Molecular cloning and characterization of a ras p21-like GTP-binding protein (24KG) from rat liver." in: **Biochemical and biophysical research communications**, Vol. 177, Issue 3, pp. 1224-32, (1991) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of Rab11 on MDCK lysate.

Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of MDCK.