

**RAB11FIP2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5475c****Specification**

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**RAB11FIP2 Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q7L804</a>
Other Accession	<a href="#">NP_055719.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58279
Antigen Region	345-374

**RAB11FIP2 Antibody (Center) - Additional Information****Gene ID** 22841**Other Names**

Rab11 family-interacting protein 2, Rab11-FIP2, NRip11, RAB11FIP2, KIAA0941

**Target/Specificity**

This RAB11FIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 345-374 amino acids from the Central region of human RAB11FIP2.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**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**

RAB11FIP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RAB11FIP2 Antibody (Center) - Protein Information****Name** RAB11FIP2

**Synonyms** KIAA0941

**Function** A Rab11 effector binding preferentially phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and phosphatidic acid (PA) and acting in the regulation of the transport of vesicles from the endosomal recycling compartment (ERC) to the plasma membrane. Involved in insulin granule exocytosis. Also involved in receptor-mediated endocytosis and membrane trafficking of recycling endosomes, probably originating from clathrin-coated vesicles. Required in a complex with MYO5B and RAB11 for the transport of NPC1L1 to the plasma membrane. Also acts as a regulator of cell polarity. Plays an essential role in phagocytosis through a mechanism involving TICAM2, RAC1 and CDC42 Rho GTPases for controlling actin-dynamics.

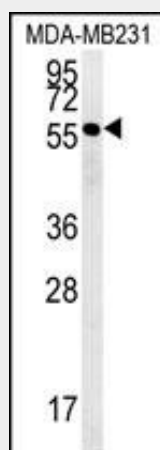
**Cellular Location**

Cell projection, phagocytic cup. Cell membrane; Peripheral membrane protein. Recycling endosome membrane; Peripheral membrane protein Note=Translocates with RAB11A from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane

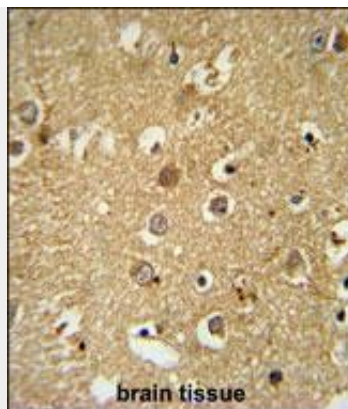
**RAB11FIP2 Antibody (Center) - Protocols**

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

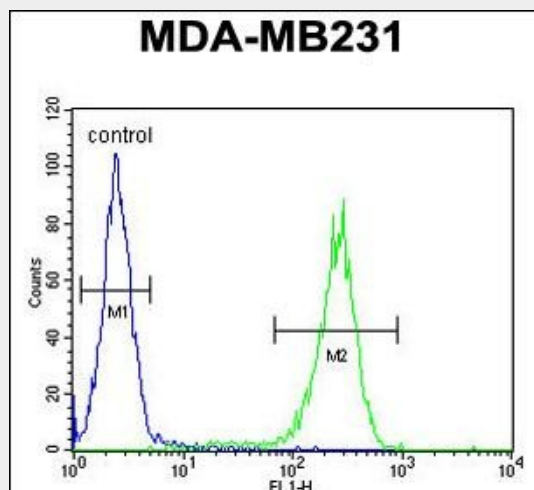
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RAB11FIP2 Antibody (Center) - Images**

RAB11FIP2 Antibody (Center) (Cat.#AP5475c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the RAB11FIP2 antibody detected the RAB11FIP2 protein (arrow).



RAB11FIP2 Antibody (Center) (Cat. #AP5475c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RAB11FIP2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



RAB11FIP2 Antibody (Center) (Cat. #AP5475c) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **RAB11FIP2 Antibody (Center) - Background**

RAB11FIP2 is an adapter protein that plays a role in the secretory pathway. It is thought to be important for endosome recycling and receptor-mediated endocytosis. In endosome recycling, RAB11-FIP2 regulates vesicle transport from the endosomal recycling compartment (ERC) to the plasma membrane.

### **RAB11FIP2 Antibody (Center) - References**

- Wang, Z., et al. Cell 135(3):535-548(2008)
- Utey, T.J., et al. Proc. Natl. Acad. Sci. U.S.A. 105(29):10209-10214(2008)
- Ducharme, N.A., et al. Am. J. Physiol., Cell Physiol. 293 (3), C1059-C1072 (2007)