10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Rab2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52713

Specification

Rab2 Antibody - Product Information

Application	**WB, ICC**
Primary Accession	P61019
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**24 KDa**

Rab2 Antibody - Additional Information

Gene ID 5862

Other Names
9330148M11Rik;C80220;GTP binding protein;LHX;OTTMUSP00000004796;RAB2;RAB2 member RAS oncogene family;RAB2A;RAB2A, member RAS oncogene family;RAB2A_HUMAN;Ras related protein Rab 2A;RAS-associated protein RAB2;Ras-related protein Rab-2A;RP23-183L6.1;Small GTP binding protein RAB2A.

Dilution
WB~~1:1000
ICC~~1:200

Format
Ascites containing 0.09% (W/V) NaN3 & 50% glycerol

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Rab2 Antibody - Protein Information

Name RAB2A (HGNC:9763)

Synonyms RAB2

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. Required for protein transport from the endoplasmic reticulum to the Golgi complex. Regulates the compacted morphology of the Golgi.

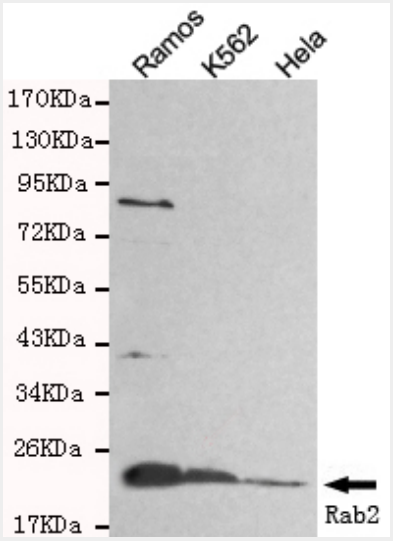
Cellular Location
Endoplasmic reticulum-Golgi intermediate compartment membrane; Lipid-anchor. Melanosome. Endoplasmic reticulum membrane; Lipid-anchor. Golgi apparatus membrane; Lipid-anchor. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:P53994}
Note=Localized in the Golgi apparatus in the round spermatids and in the acrosome in the elongating spermatid (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). {ECO:0000250|UniProtKB:P53994, ECO:0000269|PubMed:17081065}

Rab2 Antibody - Protocols

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

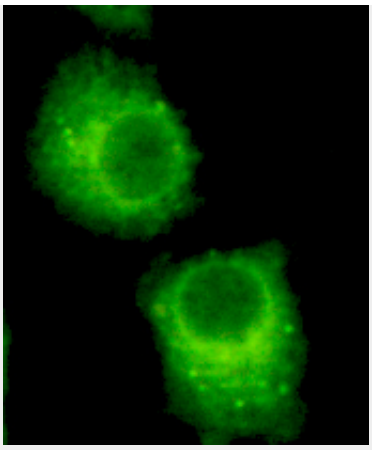
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rab2 Antibody - Images



Western blot detection of Rab2 in Hela,Ramos and K562 cell lysates and using Rab2 mouse mAb (1:800 diluted).Predicted band size: 24KDa.Observed band size: 24KDa.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Immunocytochemistry of HeLa cells using anti-Rab2 mouse mAb diluted 1:200

Rab2 Antibody - Background

Required for protein transport from the endoplasmic reticulum to the Golgi complex.

Rab2 Antibody - References

Tachibana K.,et al.Nucleic Acids Res. 16:10368-10368(1988).
Zahraoui A.,et al.J. Biol. Chem. 264:12394-12401(1989).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).