

# Rab4A Antibody

Rabbit mAb

Catalog # AP90150

## Product Information

<b>Application</b>	WB, IF, ICC, IP
<b>Primary Accession</b>	<a href="#">P20338</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Rab4; RAB4A; HRES 1; RAB4; Ras related protein Rab 4A;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	24390

## Additional Information

<b>Dilution</b>	WB 1:1000~1:2000 ICC/IF 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Rab4A
<b>Description</b>	The protein encoded by this gene belongs to the rab family. Rab4A protein is involved in the regulation of procathepsin L secretion, it was either inhibited by expression of a Rab4A dominant-negative mutant or increased by overexpression of the wild-type Rab4A in human melanoma cells.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

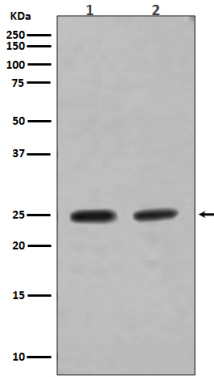
## Protein Information

<b>Name</b>	RAB4A ( <a href="#">HGNC:9781</a> )
<b>Synonyms</b>	RAB4
<b>Function</b>	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 an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed: <a href="#">15907487</a> , PubMed: <a href="#">16034420</a> ). RAB4A is involved in protein transport (PubMed: <a href="#">29425100</a> ). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed: <a href="#">29425100</a> ). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).
<b>Cellular Location</b>	Membrane; Peripheral membrane protein. Cytoplasm Early endosome membrane {ECO:0000250 UniProtKB:P05714}; Peripheral membrane protein

{ECO:0000250|UniProtKB:P05714}. Recycling endosome membrane  
{ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein  
{ECO:0000250|UniProtKB:P05714}. Note=Generally associated with  
membranes. Cytoplasmic when phosphorylated by CDK1

## Images

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Western blot analysis of Rab4A expression in (1) SH-SY5Y cell lysate; (2) MCF-7 cell lysate.

Image not found : 202311/AP90150-IF.jpg

Immunofluorescent analysis of Hela cells, using Rab4A Antibody .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.