

Rabbit anti-Mouse, Rat RAB3A Polyclonal Antibody | anti-RAB3A antibody

RAB3A Polyclonal Antibody

CATALOG # AAA179411	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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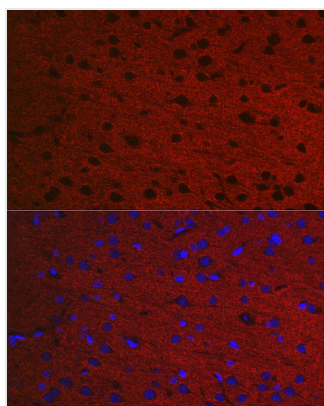
PRODUCT SYNONYMS

RAB3A; Polyclonal Antibody; RAB3A Polyclonal Antibody; anti-RAB3A antibody

PRODUCT SPECIFICATIONS

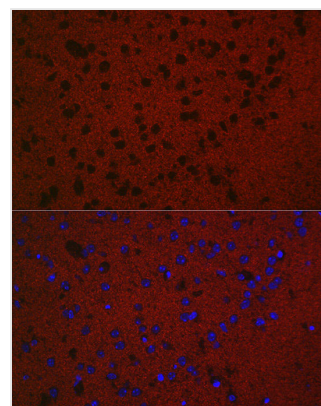
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-RAB3A antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human RAB3A
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



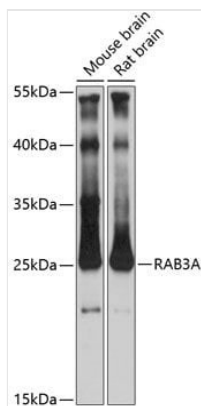
IF (Immunofluorescence)

Immunofluorescence analysis of Rat brain using RAB3A Polyclonal Antibody at dilution of 1:50. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of Mouse brain using RAB3A Polyclonal Antibody at dilution of 1:50. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using RAB3A Polyclonal Antibody at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB3A antibody

Small GTP-binding protein that plays a central role in regulated exocytosis and secretion. Controls the recruitment, tethering and docking of secretory vesicles to the plasma membrane (By similarity. Upon stimulation, switches to its active GTP-bound form, cycles to vesicles and recruits effectors such as RIMS1, RIMS2, Rabphilin-3A/RPH3A, RPH3AL or SYTL4 to help the docking of vesicles onto the plasma membrane (By similarity. Upon GTP hydrolysis by GTPase-activating protein, dissociates from the vesicle membrane allowing the exocytosis to proceed (By similarity. Stimulates insulin secretion through interaction with RIMS2 or RPH3AL effectors in pancreatic beta cells (By similarity. Regulates calcium-dependent lysosome exocytosis and plasma membrane repair (PMR via the interaction with 2 effectors, SYTL4 and myosin-9/MYH9. Acts as a positive regulator of acrosome content secretion in sperm cells by interacting with RIMS1. Plays also a role in the regulation of dopamine release by interacting with synaptotagmin I/SYT (By similarity. Interacts with MADD (via uDENN domain; the GTP-bound form is preferred for interaction (By similarity.

Product Categories/Family for anti-RAB3A antibody

[Antibodies](#); [Primary Antibodies](#); [Polyclonal Antibody](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506367
NCBI GeneID	5864
NCBI Accession #	NP_002857.1
NCBI GenBank Nucleotide #	NM_002866.4
UniProt Accession #	P20336 ; Q9NVE1 ; A8K0J4
Molecular Weight	24,984 Da
NCBI Official Full Name	ras-related protein Rab-3A
NCBI Official Synonym Full Names	RAB3A, member RAS oncogene family
NCBI Official Symbol	RAB3A
NCBI Protein Information	ras-related protein Rab-3A; RAS-associated protein RAB3A
UniProt Protein Name	Ras-related protein Rab-3A
UniProt Gene Name	RAB3A
UniProt Entry Name	RAB3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

