

RAB3A Rabbit pAb

CatalogNo: YT7418

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 24kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human RAB3A AA range: 27-77

Specificity

This antibody detects endogenous levels of RAB3A at Human/Mouse/Rat

Target Information

Gene name

RAB3A

Protein Name RAB3A

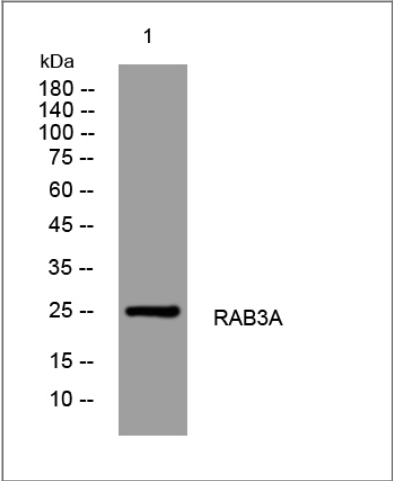
Organism	Gene ID	UniProt ID
Human	5864;	P20336;
Mouse	19339;	P63011;
Rat	25531;	P63012;

Cellular Localization Cytoplasm, cytosol . Lysosome . Cytoplasmic vesicle, secretory vesicle . Cell projection, axon . Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell junction, synapse, presynapse . Cell junction, synapse, postsynapse . Cycles between a vesicle-associated GTP-bound form and a cytosolic GDP-bound form. .

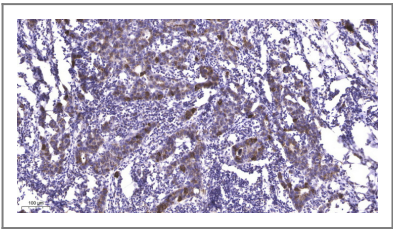
Tissue specificity Specifically expressed in brain.

Function Function:Involved in exocytosis by regulating a late step in synaptic vesicle fusion. Could play a role in neurotransmitter release by regulating membrane flow in the nerve terminal.,similarity:Belongs to the small GTPase superfamily. Rab family.,subunit:Heterodimer with RIMS2. Part of a ternary complex involving PCLO and EPAC2. Interacts with RPH3A. Interacts with the exocyst complex through SEC15. Binds SYTL4, RIMS1 and RIMS2. Interacts with RAB3IP. Interacts with SGSM1 and SGSM3.,tissue specificity:Specifically expressed in brain.,

Validation Data



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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