



Rabphilin-3A Polyclonal Antibody

Catalog No	YP-Ab-12797
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	RPH3A
Protein Name	Rabphilin-3A
Immunogen	The antiserum was produced against synthesized peptide derived from human Rabphilin 3A. AA range:203-252
Specificity	Rabphilin-3A Polyclonal Antibody detects endogenous levels of Rabphilin-3A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RPH3A; KIAA0985; Rabphilin-3A; Exophilin-1
Observed Band	75kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane . Cell projection, dendritic spine . Cell junction, synapse, postsynaptic cell membrane . Membrane ; Peripheral membrane protein .
Tissue Specificity	Brain,Lung,
Function	function:Protein transport. Probably involved with Ras-related protein Rab-3A in synaptic vesicle traffic and/or synaptic vesicle fusion. Could play a role in neurotransmitter release by regulating membrane flow in the nerve terminal.,similarity:Contains 1 FYVE-type zinc finger.,similarity:Contains 1 RabBD (Rab-binding) domain.,similarity:Contains 2 C2 domains.,
Background	Exocytosis of neurotransmitters and hormones is fundamental to synaptic neurotransmission and cell-cell communication. RAB3A (MIM 179390) is a small G protein that is thought to act at late stages of exocytosis, and RPH3A is a RAB3A effector (Lin et al., 2007 [PubMed 17149709]).[supplied by OMIM, Jul 2008],



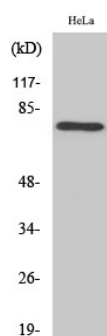
matters needing attention

Avoid repeated freezing and thawing!

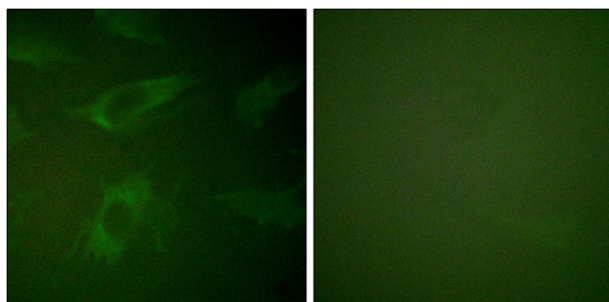
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

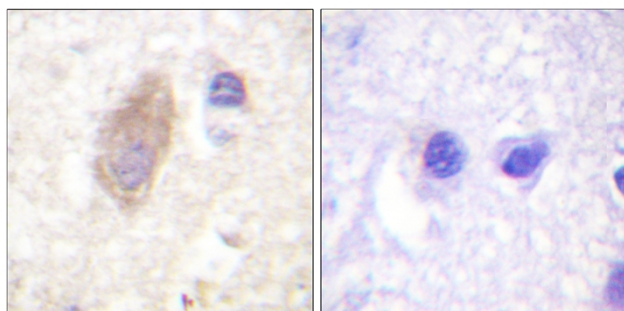
Products Images



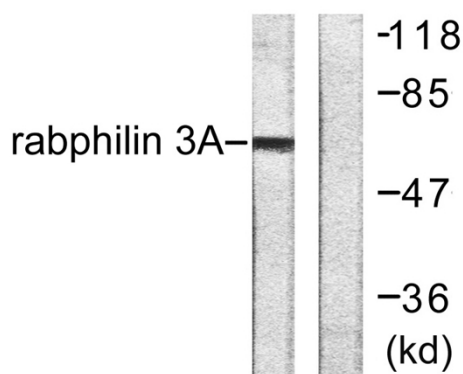
Western Blot analysis of various cells using Rabphilin-3A Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using Rabphilin 3A Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Rabphilin 3A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, treated with TNF-a 20ng/ml 2', using Rabphilin 3A Antibody. The lane on the right is blocked with the synthesized peptide.