

Rabphilin-3A rabbit pAb**Cat#: orb766173 (Manual)**

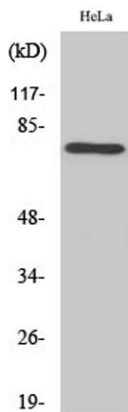
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Product Name	Rabphilin-3A rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
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..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Rabphilin-3A
Gene Name	RPH3A
Cellular localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane . Cell projection, dendritic spine . Cell junction, synapse, postsynaptic cell membrane . Membrane ; Peripheral membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

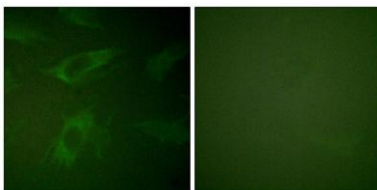
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	75kD
Human Gene ID	22895
Human Swiss-Prot Number	Q9Y2J0
Alternative Names	RPH3A; KIAA0985; Rabphilin-3A; Exophilin-1

Background

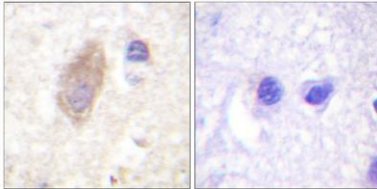
Exocytosis of neurotransmitters and hormones is fundamental to synaptic neurotransmission and cell-cell communication. RAB3A (MIM 179390) is a small G protein that is thought to act at late stages of exocytosis, and RPH3A is a RAB3A effector (Lin et al., 2007 [PubMed 17149709]).[supplied by OMIM, Jul 2008],



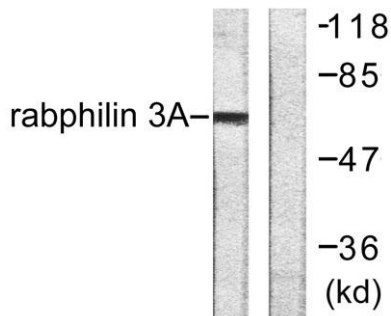
Western Blot analysis of various cells using Rabphilin-3A Polyclonal Antibody



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- α 20ng/ml 2', using Rabphilin 3A Antibody. The lane on the right is blocked with the synthesized peptide.