



# Rabphilin-3A rabbit pAb

Cat No.:ES3298

For research use only

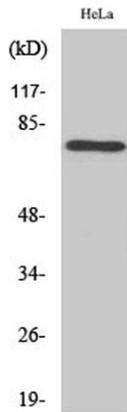
## Overview

<b>Product Name</b>	Rabphilin-3A rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	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.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Rabphilin 3A. AA range:203-252
<b>Specificity</b>	Rabphilin-3A Polyclonal Antibody detects endogenous levels of Rabphilin-3A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Rabphilin-3A
<b>Gene Name</b>	RPH3A
<b>Cellular localization</b>	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane . Cell projection, dendritic spine . Cell junction, synapse, postsynaptic cell membrane . Membrane ; Peripheral membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	75kD
<b>Human Gene ID</b>	22895
<b>Human Swiss-Prot Number</b>	Q9Y2J0
<b>Alternative Names</b>	RPH3A; KIAA0985; Rabphilin-3A; Exophilin-1
<b>Background</b>	Exocytosis of neurotransmitters and hormones is fundamental to synaptic neurotransmission and



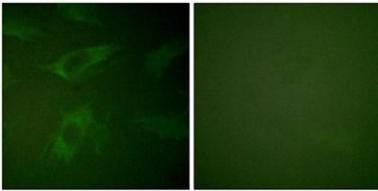


cell-cell communication. RAB3A (MIM 179390) is a small G protein that is thought to act at late stages of exocytosis, and RPH3A is a RAB3A effector (Lin et al., 2007 [PubMed 17149709]).[supplied by OMIM, Jul 2008],

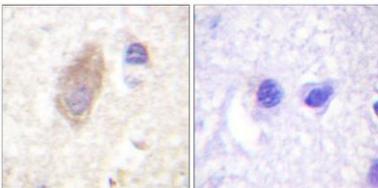


Western Blot analysis of various cells using Rabphilin-3A Polyclonal Antibody

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

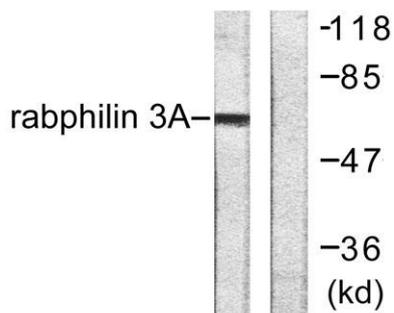


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Rabphilin 3A Antibody. The picture on the right is blocked with the synthesized peptide.





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



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