



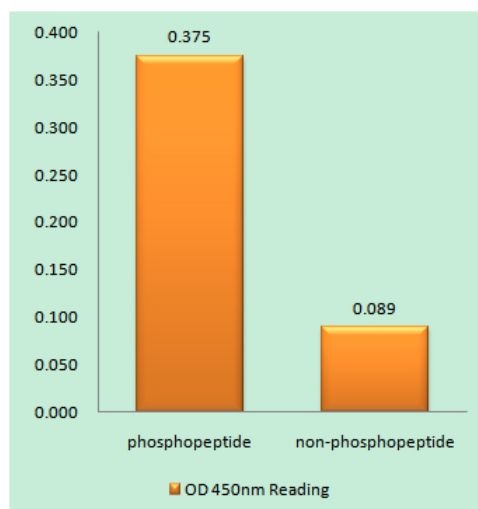
Rabphilin-3A (phospho Ser237) Polyclonal Antibody

Catalog No	YP-Ab-12652
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	RPH3A
Immunogen	The antiserum was produced against synthesized peptide derived from human Rabphilin 3A around the phosphorylation site of Ser237. AA range:203-252
Specificity	Phospho-Rabphilin-3A (S237) Polyclonal Antibody detects endogenous levels of Rabphilin-3A protein only when phosphorylated at S237.
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: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Rabphilin 3A;RPH3A;Rabphilin-3A;KIAA0985;Exophilin-1
Observed Band	75kD
Calculated Molecular Weight	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.,

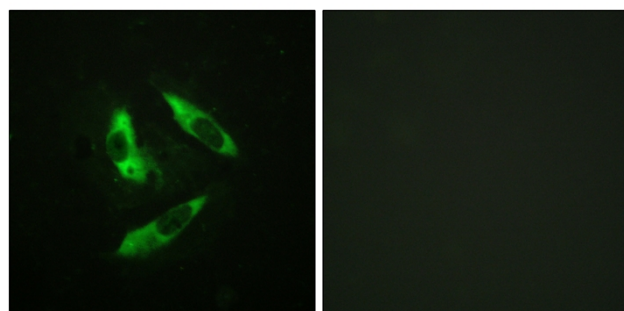
Background	Exocytosis of neurotransmitters and hormones is fundamental to synaptic neurotransmission and cell-cell communication. RAB3A (MIM 179390) is a small G protein that is thought to act at late stages of exocytosis, and RPH3A is a RAB3A effector (Lin et al., 2007 [PubMed 17149709]).[supplied by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



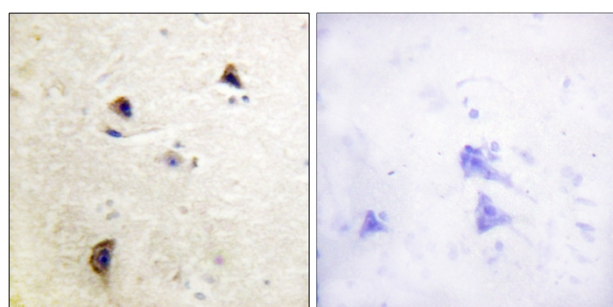
Products Images



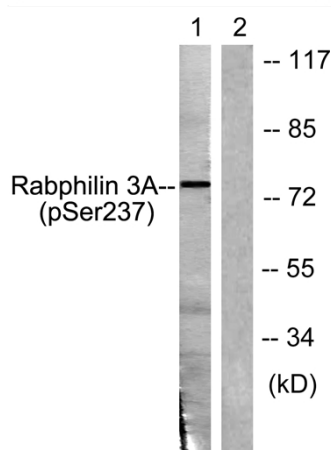
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Rabphilin 3A (Phospho-Ser237) Antibody



Immunofluorescence analysis of HeLa cells, using Rabphilin 3A (Phospho-Ser237) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Rabphilin 3A (Phospho-Ser237) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from RAW264.7 cells treated with Calyculin 100nM 15', using Rabphilin 3A (Phospho-Ser237) Antibody. The lane on the right is blocked with the phospho peptide.