

Datasheet for 612-401-E22**Rabphilin 3A Phospho S234 Antibody****Overview**

Description:	Anti-Rabphilin 3A pS234 (RABBIT) Antibody - 612-401-E22
Item No.:	612-401-E22
Size:	100 µL
Applications:	WB
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	Rabphilin-3A is a peripheral membrane protein that binds Ca ²⁺ and phospholipids and is attached to synaptic vesicle membranes. The expression of rabphilin 3A is reduced in an animal model of Huntington's disease. Rabphilin can be phosphorylated at Ser234 by both CAM kinase II and PKA and this phosphorylation has been suggested to regulate neuronal activity during development in a synapse-specific manner. Anti-Rabphilin 3A antibody is ideal for investigators involved in Signal Transduction, Cell Signaling, and Neuroscience research.
Synonyms:	Rabphilin 3A Homolog, Rabphilin-3A, RP3A, Rph3A, Exophilin 1, Exophilin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Rph3a
Reactivity:	Rat
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Rabphilin 3A pS234 Antibody was produced in rabbit by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser234 conjugated to KLH.

Purity/Specificity: Anti-Rabphilin 3A pS234 antibody is directed against rat rabphilin 3A protein phosphorylated at serine 234. Rabphilin 3A pS234 antibodies are affinity purified from monospecific antiserum by immunoaffinity purification. The immunolabeling of the rabphilin band was completely blocked by the phosphopeptide used as antigen while the dephosphopeptide had no effect on the immunolabeling. Cross reactivity with Rab 3A from other species has not been determined, however, the sequence of the immunogen shows 100% identity to mouse, therefore, cross reactivity is expected.

Relevant Links:

- [UniProtKB - P47709](#)
- [GeneID - 171039](#)
- [UniProtKB - P47709.1](#)

Application Details

Tested Applications:	WB
Application Note:	Anti-Rabphilin 3A pS234 (Rabbit) antibody is tested for use in Western Blotting and ICC. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 82 kDa in size corresponding to rabphilin 3A protein phosphorylated at Ser234 in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:400
WB:	1:1000

Formulation

Physical State:	Liquid
Concentration:	Titred value sufficient to run approximately 10 mini blots.
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

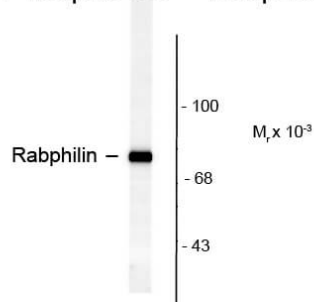
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

Anti-Phospho Ser²³⁴ Rabphilin 3A



Western blot of rat brain lysate showing phosphospecific immunolabeling of the ~82k rabphilin 3A phosphorylated at Ser²³⁴.

Western Blot

Western Blot of Rabbit anti-Rabphilin 3A pS234 antibody.
 Lane 1: Rat Brain Lysate. Lane 2: None. Load: 10 µg per lane.
 Primary antibody: Rabphilin 3A pS234 antibody at 1:1,000 for overnight at 4°C.
 Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT.
 Block: 5% BLOTTO overnight at 4°C.
 Predicted/Observed size: 82 kDa for Rabphilin 3A pS234.
 Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.