

Datasheet for 600-401-E32**Stargazin Antibody****Overview**

Description:	Anti-Stargazin (RABBIT) Antibody - 600-401-E32
Item No.:	600-401-E32
Size:	100 µL
Applications:	WB
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	Stargazin antibody detects the stargazin protein. Stargazin is a member of the transmembrane AMPAR regulatory proteins (TARP) family and is involved in glutamate receptor trafficking. It has been recently demonstrated that the interaction between stargazin and AMPA receptors is critical for the correct localization of the receptors at the synapse. Phosphorylation of the stargazin protein at Thr 321 by Protein Kinase A regulates its interaction with PSD-95 and synaptic targeting of AMPA receptors. Anti-stargazin Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Signal Transduction research.
Synonyms:	Voltage-dependent calcium channel gamma-2 subunit, Neuronal voltage-gated calcium channel gamma-2 subunit, Transmembrane AMPAR regulatory protein gamma-2, TARP gamma-2, stg, Cacng2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Cacng2
Reactivity:	Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Stargazin Antibody was produced in rabbit by repeated immunizations with synthetic peptide corresponding to amino acid residues from the C-terminal region of Stargazin protein.

Purity/Specificity: Anti-Stargazin antibody is directed against mouse stargazin protein. Stargazin antibodies are affinity purified from monospecific antiserum by immunoaffinity purification. Immunolabeling of the stargazin band is blocked by preadsorption with the peptide used as antigen. Reactivity is expected from the following species based on 100% sequence homology: mouse. Cross reactivity to other species was not determined.

Relevant Links:

- [UniProtKB - O88602](#)
- [GeneID - 12300](#)
- [UniProtKB - O88602.1](#)

Application Details

Tested Applications: WB

Application Note: Anti-Stargazin (Rabbit) antibody is tested for use in Western Blotting. Expect a band of approximately 36 kDa in size corresponding to stargazin protein in the appropriate cell lysate or extract. Researchers should determine optimal titers for applications that are not stated below.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 1:1000

Formulation

Physical State: Liquid

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

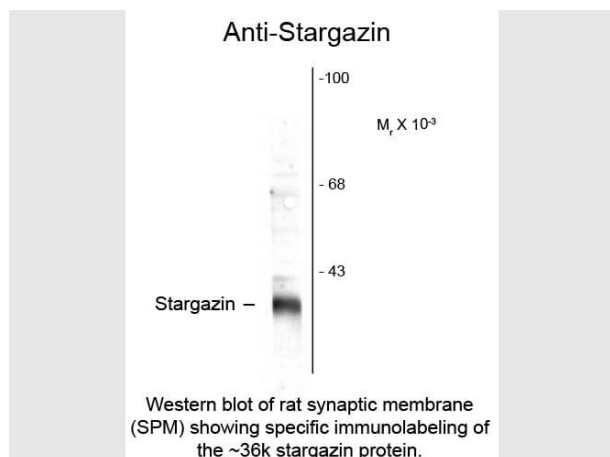
Shipping & Handling

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



Western Blot

Western Blot of Rabbit anti-Stargazin antibody. Lane 1: rat synaptic membrane (SPM). Lane 2: none. Load: 10 µg per lane. Primary antibody: Stargazin 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: 36 kDa for Stargazin. 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.