

Datasheet for ABIN198058

anti-Stargazin antibody (AA 305-323)



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Overview

Quantity:	100 µg
Target:	Stargazin (CACNG2)
Binding Specificity:	AA 305-323
Reactivity:	Rat, Mouse, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Stargazin antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	<p>KLH-conjugated, synthetic peptide corresponding to amino acids 305-323 (KDSKDSLHANTANRRRTPV) of rat Stargazin. Percent identity by BLAST analysis: Mouse, Rat, Hamster (100%), Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Bovine, Dog, Bat, Horse, Pig, Platypus, Xenopus (84%).</p> <p>Type of Immunogen: Synthetic peptide - KLH conjugated</p>
Isotype:	IgG
Specificity:	Recognizes Stargazin, Mr 36-39kD. Species cross-reactivity: Rat. Predicted to cross-react with mouse based on sequence homology.
Predicted Reactivity:	Percent identity by BLAST analysis: Mouse, Rat, Hamster (100%) Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Bovine, Dog, Bat, Horse, Pig, Platypus, Xenopus (84%).

Product Details

Purification: Protein A purified

Target Details

Target: Stargazin (CACNG2)

Alternative Name: CACNG2 / Stargazin ([CACNG2 Products](#))

Background: Name/Gene ID: CACNG2
Subfamily: Calcium channel - gamma subunit
Family: Ion Channel

Synonyms: CACNG2, MRD10, TARP gamma-2, Wagglar, Gamma2, Stargazin

Gene ID: 10369

UniProt: [Q9Y698](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Approved: IP, WB (0.5 - 2 µg/mL)

Usage: Suitable for use in Western Blot and Immunoprecipitation. Western Blot: 0.5-2.0 µg/mL detects Stargazin in RIPA lysates from rat brain microsomal preparation. Rat brain microsomal preparation was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-Stargazin (0.5 µg/mL). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system. Immunoprecipitation: 2-5 µg has been reported by an independent laboratory to immunoprecipitate Stargazin in rat P2 lysate.

Comment: Target Species of Antibody: Rat

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.1 M Tris-glycine, pH 7.4, 0.15 M sodium chloride, 0.05 % sodium azide, 30 % glycerol.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.