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Datasheet for 200-301-G65

Zinedin Antibody

Overview

Description:	Anti-Zinedin (MOUSE) Monoclonal Antibody - 200-301-G65
Item No.:	200-301-G65
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Zinedin, which encodes a protein of 753aa, shares identical protein-protein interaction domains with striatin and SG2Na. They are all part of the striatin family, are multimodular, WD-repeat and calmodulin binding proteins. All three proteins bind CaM in the presence of calcium suggesting that they play a role in or depend upon calcium signaling. They are all supposed to also function as scaffolding proteins, linking signaling and eukaryotic endocytosis.
Synonyms:	Striatin-4, Zinedin, ZIN
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S88-64
Format:	IgG2a

Target Details

Gene Name:	STRN4
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Zinedin Antibody was produced in mice by repeated immunizations raised against a fusion protein corresponding to an internal region of human Zinedin/Striatin-4.

Purity/Specificity:	Anti-Zinedin Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Zinedin from Mouse, Human, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Zinedin from other sources has not been determined. Neuroscience research.
Relevant Links:	• NCBI - NP_037535.2 • GeneID - 29888 • UniProtKB - Q9NRL3

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Zinedin Antibody is tested for use in WB, IHC and IP. Expect a band approximately ~95kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10ug/mL
IHC:	0.1-1.0 µg/mL
IP:	User Optimized
WB:	1ug/mL

Formulation

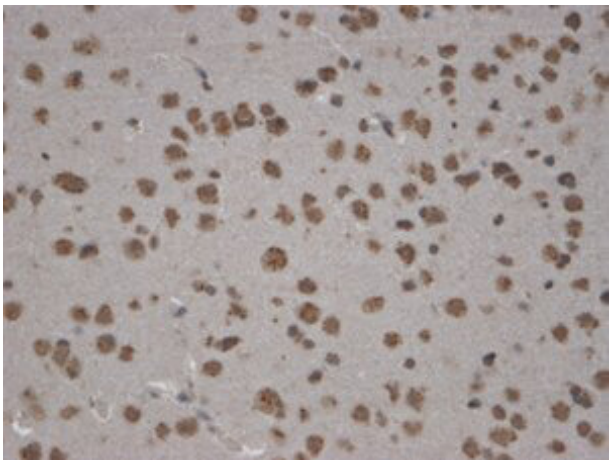
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

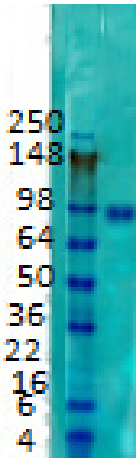
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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

Images



Immunohistochemistry
Immunohistochemistry of mouse anti-Zinedin antibody. Tissue: Mouse Brain Tissue. Fixation: N/A. Antigen Retrieval: not required. Primary Antibody: Zinedin antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: Cytoplasm membrane. Staining: Zinedin as brown signal.



Western Blot
Western Blot of mouse anti-Zinedin antibody. Lane 1: Rat Brain Membrane. Primary antibody: Zinedin antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight 4°C. Predicted/Observed size: 80.5kDa/95kD Zinedin. 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.