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Datasheet for 200-301-F15

Contactin Antibody

Overview

Description:	Anti-Contactin (MOUSE) Monoclonal Antibody - 200-301-F15
Item No.:	200-301-F15
Size:	100 µg
Applications:	IHC
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Contactin/F3, a cell adhesion molecule, is a glycosylphospatidylinositol (GPI)-anchored protein that is expressed in neurons and glia. It has been shown to interact with and enhance surface expression of sodium channels Nav1.2 and Nav1.9. Other studies suggest that contactin coimmunoprecipitates with Nav1.3.
Synonyms:	CNTN1, Glycoprotein gp135, Neual cell surface protein F3, Contactin-1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S73-20
Format:	IgG1

Target Details

Gene Name:	Cntn1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Contactin Antibody was produced in mice by repeated immunizations with a synthetic peptide corresponding to the near n-terminal region of rat contactin.

Purity/Specificity:	Anti-Contactin Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Contactin from Mouse, Human, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Contactin from other sources has not been determined. Scaffolds research.
Relevant Links:	• NCBI - NP_476459.1 • GeneID - 117258 • UniProtKB - Q63198

Application Details

Tested Applications:	IHC
Application Note:	Anti-Contactin Antibody has been tested by IHC and is suitable for use in WB and IP. Expect a band approximately ~120kDa 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:	0.1-1.0ug/mL
IP:	User Optimized
WB:	1ug/mL

Formulation

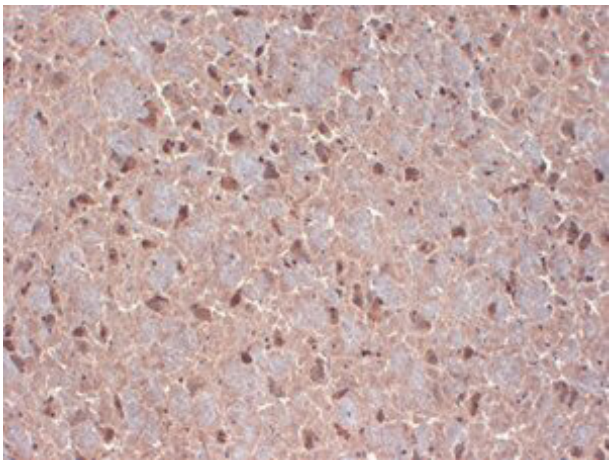
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	1X PBS, pH 7.4
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

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-Contactin antibody. Tissue: Mouse brain. Fixation: Frozen. Primary Antibody: Contractin antibody at 1ug/ml for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Staining: Contractin as precipitated brown.

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.