

Datasheet for 200-301-G31**PICK1 Antibody****Overview**

Description:	Anti-PICK1 (MOUSE) Monoclonal Antibody - 200-301-G31
Item No.:	200-301-G31
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	PRKCA-binding protein is a protein that is encoded by the Pick1 gene. The protein encoded by this gene contains a PSD domain, which interacts with protein kinase C, alpha. The protein functions as an adaptor that binds to and organizes subcellular localization of a variety of membrane proteins. It has been shown to interact with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, and non-voltage gated sodium channels. This protein has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner.
Synonyms:	PRKCA, protein interacting with PRKCA1, PRKCA-binding protein, Protein interacting with C kinase 1, Protein kinase C-alpha-binding protein, Pick1, Prkcabp
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S20-8
Format:	IgG2a

Target Details

Gene Name:	Pick1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	PICK1 Antibody was produced in mice by repeated immunizations raised against a fusion protein rat PICK1.
Purity/Specificity:	Anti-PICK1 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with PICK1 from Human, Mouse, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with PICK1 from other sources has not been determined. Scaffolds research.
Relevant Links:	• NCBI - AAG48152

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-PICK1 Antibody is tested for use in WB, IHC and IP. Expect a band approximately ~45kDa 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:	1.0 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

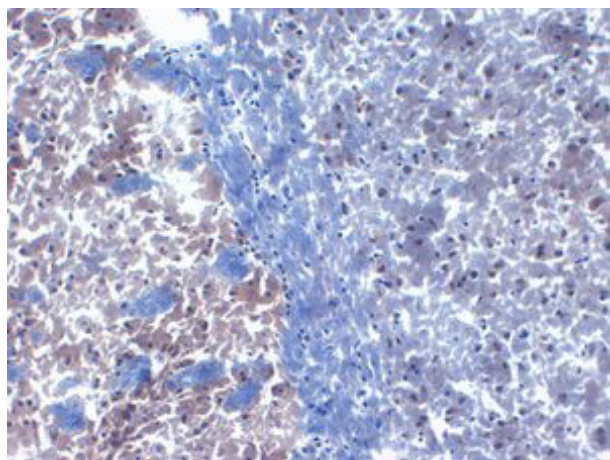
Shipping & Handling

Shipping Condition:	Wet 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.

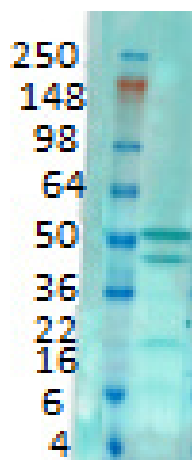
Expiration:

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

Images

**Immunohistochemistry**

Immunohistochemistry of mouse anti-Pick1 antibody.
Tissue: Frozen sections of mouse brain extract. Primary Antibody: Pick1 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. Staining: Pick1 as brown signal.

**Western Blot**

Western Blot of mouse anti-Pick1 antibody. Lane 1: Rat Brain Membrane. Primary antibody: Pick1 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: 46.6kDa/45kD. 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.