

Datasheet for ABIN6658111

anti-PICK1 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	PICK1
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PICK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: PICK1 Antibody was produced in mice by repeated immunizations raised against a fusion protein rat PICK1. Immunogen Type: Recombinant Protein
Clone:	S20-8
Isotype:	IgG2a
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	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.

Target Details

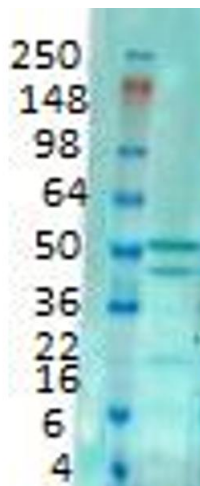
Target:	PICK1
Alternative Name:	PICK1 (PICK1 Products)
Background:	<p>Synonyms: PRKCA, protein interacting with PRKCA1, PRKCA-binding protein, Protein interacting with C kinase 1, Protein kinase C-alpha-binding protein, Pick1, Prkcbp</p> <p>Background: PRKCA-binding protein is a protein that is encoded 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.</p> <p>Gene Name: Pick1</p>

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 0.1-1.0 µg/mL</p> <p>Application Note: Anti-PICK1 Antibody is suitable for use in WB, IHC and IP. Expect a band approximately ~45 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.</p> <p>Immunoprecipitation Dilution: User Optimized</p> <p>Western Blot Dilution: 1 µg/mL</p> <p>IF Microscopy Dilution: 1.0-10 µg/mL</p>
Restrictions:	For Research Use only

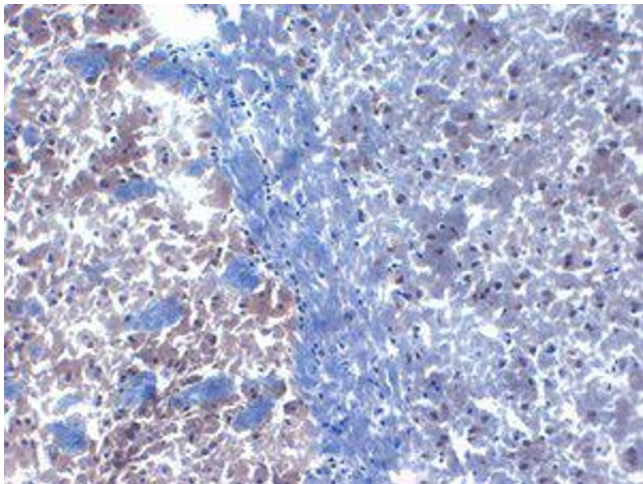
Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 50 % (v/v) Glycerol</p>
Storage:	RT, 4 °C, -20 °C
Storage Comment:	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.



Western Blotting

Image 1. PICK1 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% Biotin overnight 4°C. Predicted/Observed size: 46.6kDa/45kD. Other band(s): none.



Immunohistochemistry

Image 2. PICK1 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.