

Datasheet for 600-401-CU7**MIPU1 Antibody****Overview**

Description:	Anti-MIPU1 (RABBIT) Antibody - 600-401-CU7
Item No.:	600-401-CU7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Mipu1, also known as zinc finger protein 667 or ZNF667, encodes a nuclear-localized protein containing 14 carboxy-terminal zinc finger motifs and an amino-terminal KRAB domain. This protein is highly expressed in heart and brain and is upregulated in rat heart after a transient ischemia-reperfusion procedure. Overexpression experiments suggest that Mipu1 suppresses the transcriptional activities of AP-1 and SRE in the MAPK signaling pathway and thus may play a role in the pathogenesis of cardiac and vascular disease. At least four isoforms of MIPU1 are known to exist.
Synonyms:	MIPU1 Antibody, MIPU1, Zinc finger protein 667
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZNF667
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MIPU1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human MIPU1.

Purity/Specificity: Anti-MIPU1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MIPU1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q5HYK9](#)
- [GeneID - 63934](#)
- [NCBI - NP_071386](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-MIPU1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 70 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

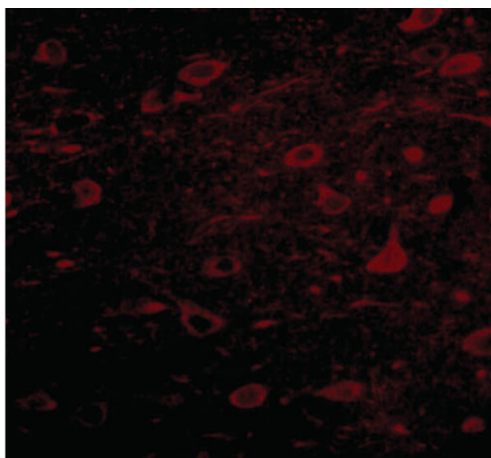
Shipping & Handling

Shipping Condition: Dry Ice

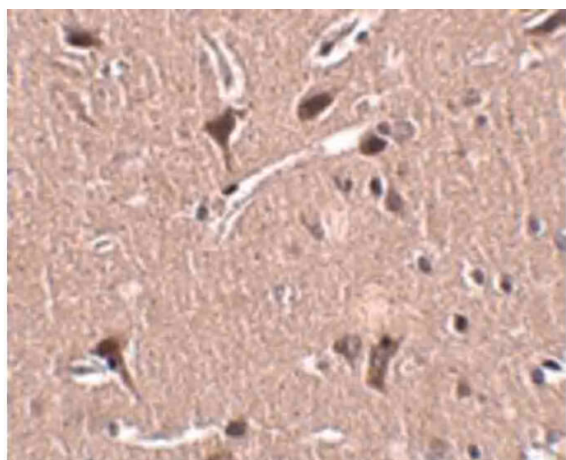
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

Expiration:

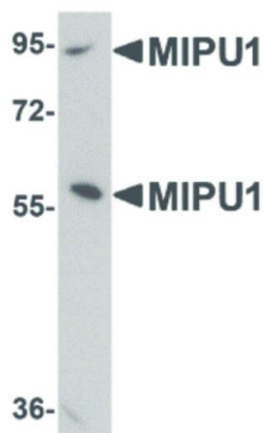
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of MIPU antibody. Tissue: human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: MIPU antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: MIPU is nuclear.

**Immunohistochemistry**

Immunohistochemistry of MIPU1 antibody. Tissue: human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: MIPU1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: MIPU1 is nuclear. Staining: MIPU1 as precipitated pink signal with purple nuclear counterstain.

**Western Blot**

Western Blot of MIPU1 antibody. Lane 1: Human brain cell lysate with MIPU1 antibody at 1 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 70 kDa, 60 kDa for MIPU1. Other band(s): MIPU1 splice variants and isoforms.

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.