

**Datasheet for 600-401-AE7****CAZIP Antibody****Overview**

<b>Description:</b>	Anti-CAZIP (RABBIT) Antibody - 600-401-AE7
<b>Item No.:</b>	600-401-AE7
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IF, IHC, WB
<b>Reactivity:</b>	Human, Mouse
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	CAZIP, also known as TIP150, contains a leucine-zipper domain at the C-terminus and has at least three isoforms. CAZIP is expressed in heart during early cardiac development and in parts of the nervous system in later embryonic development. It is thought to bind microtubules and facilitate the end-binding protein 1 (EB1)-dependent loading of MCAK onto microtubules plus ends and orchestrates the dynamics at the plus end of microtubules. CAZIP may regulate the dynamics of microtubules at their growing distal tip.
<b>Synonyms:</b>	CAZIP Antibody, ICIS, CAZIP, TIP150, KIAA0774, Microtubule-associated tumor suppressor candidate 2, Cardiac zipper protein, Tracking protein of 150 kDa
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	MTUS2
<b>Reactivity:</b>	Human, Mouse
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-CAZIP antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human CAZIP.

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

**Relevant Links:**

- [UniProtKB - Q5JR59](#)
- [GeneID - 23281](#)
- [NCBI - NP\\_001028774](#)

## Application Details

**Tested Applications:** ELISA, IF, IHC, WB

**Application Note:** Anti-CAZIP 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 150 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:** 1:5000 - 1:10000

**IF:** 20 µg/mL

**IHC:** 5 µg/mL

**WB:** 0.5-1 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

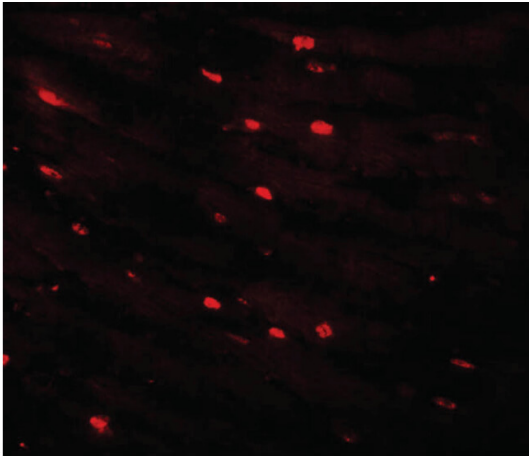
## Shipping & Handling

**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.

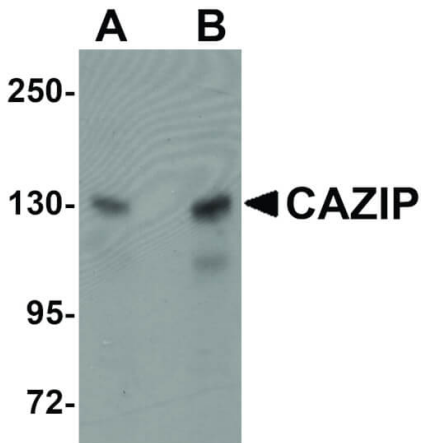
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



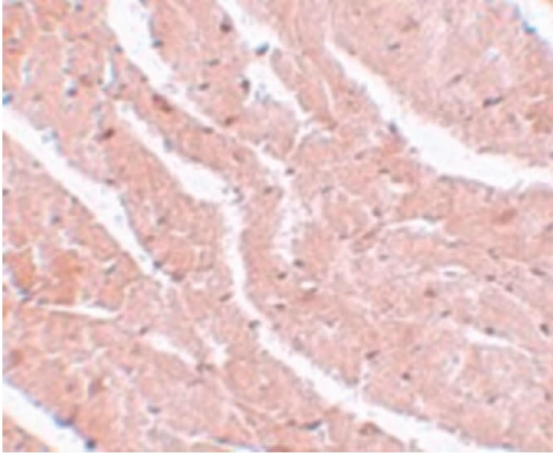
### Immunofluorescence Microscopy

Immunofluorescence Microscopy of CAZIP antibody. Tissue: Mouse heart tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: CAZIP antibody at 20  $\mu\text{g}/\text{mL}$  for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CAZIP is cytoplasmic. Staining: CAZIP as red fluorescent signal.



### Western Blot

Western Blot of CAZIP antibody. Lane 1: A20 cell lysate with CAZIP antibody at 0.5  $\mu\text{g}/\text{mL}$ . Lane 2: A20 cell lysate with CAZIP antibody at 1  $\mu\text{g}/\text{mL}$ . 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: 150 kDa, 130 kDa for CAZIP. Other band(s): CAZIP splice variants and isoforms.

**Immunohistochemistry**

Immunohistochemistry of CAZIP antibody. Tissue: mouse heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CAZIP antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CAZIP is cytoplasmic. Staining: CAZIP as precipitated pink signal with blue nuclear counterstain.

**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.