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Datasheet for 600-401-AE7

# CAZIP Antibody

## Overview

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

## Product Details

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| **Background:** | 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. |
| **Synonyms:** | CAZIP Antibody, ICIS, CAZIP, TIP150, KIAA0774, Microtubule-associated tumor suppressor candidate 2, Cardiac zipper protein, Tracking protein of 150 kDa |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | MTUS2 |
| **Reactivity:** | Human, Mouse |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | 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. |

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| **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<br>• GeneID - 23281<br>• NCBI - NP_001028774 |

## Application Details

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| **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

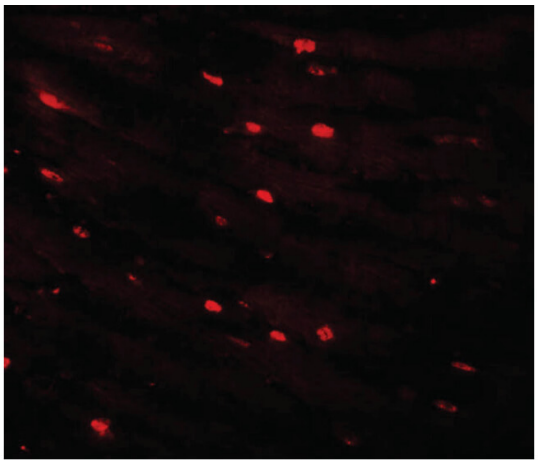
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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

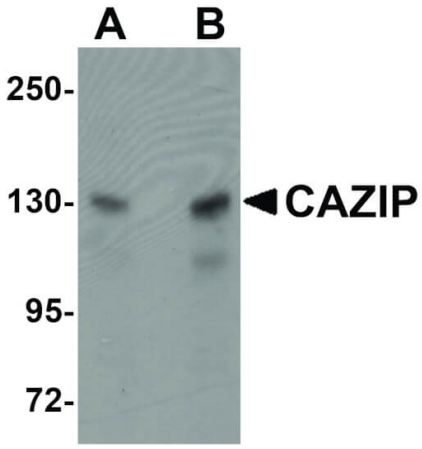
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| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely 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.

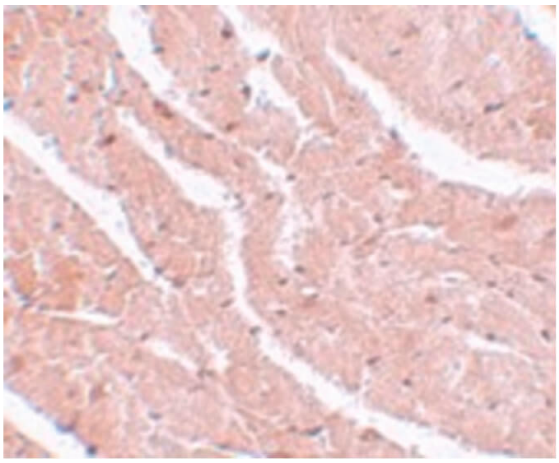
## Images



**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 µg/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 µg/mL. Lane 2: A20 cell lysate with CAZIP antibody at 1 µg/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

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