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CAZIP Antibody
Catalog # ASC11082

Specification

CAZIP Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q5JR59
Other Accession	NP_001028774, 140161498
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**CAZIP antibody can be used for detection of CAZIP by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

CAZIP Antibody - Additional Information

Gene ID	**23281**

Target/Specificity
MTUS2;

Reconstitution & Storage
CAZIP antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
CAZIP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CAZIP Antibody - Protein Information

Name MTUS2

Synonyms CAZIP, KIAA0774, TIP150

Function
Binds microtubules. Together with MAPRE1 may target the microtubule depolymerase KIF2C to the plus-end of microtubules. May regulate the dynamics of microtubules at their growing distal tip.

Cellular Location
Cytoplasm, cytoskeleton. Note=Associated with the microtubule network at the growing distal tip (the plus-end) of microtubules

Tissue Location
Detected in embryonic stem cells differentiating to cardiomyocytes.

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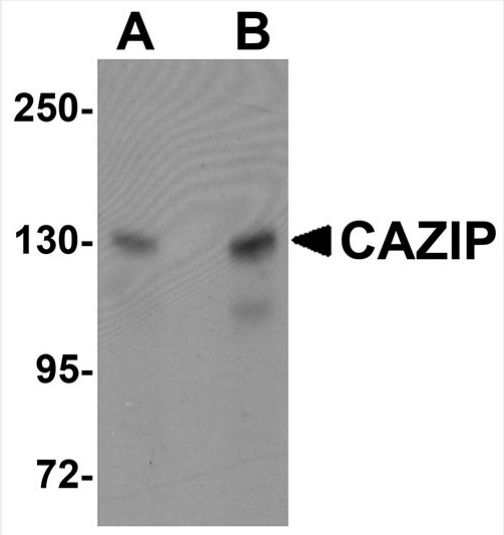
CAZIP Antibody - Protocols

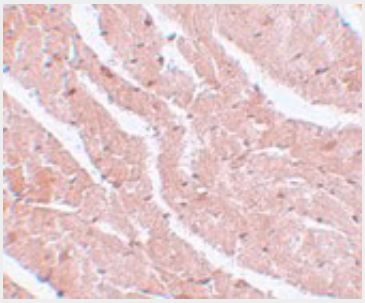
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAZIP Antibody - Images



Western blot analysis of CAZIP in A20 cell lysate with CAZIP antibody at (A) 0.5 and (B) 1 µg/mL.



Immunohistochemistry of CAZIP in mouse heart tissue with CAZIP antibody at 5 µg/mL.

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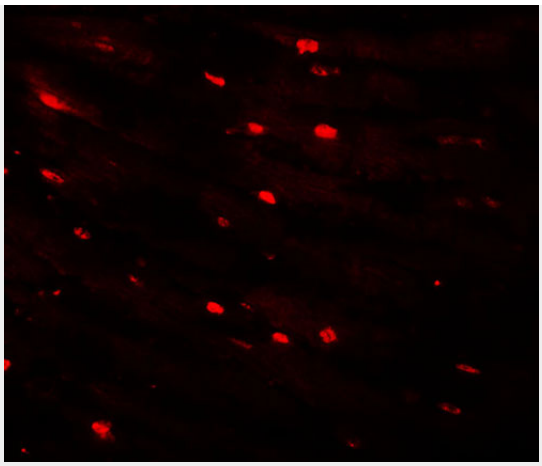

Immunofluorescence of CAZIP in mouse heart tissue with CAZIP antibody at 20 µg/mL.

CAZIP Antibody - Background

CAZIP Antibody: 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.

CAZIP Antibody - References

Du Puy L, Beqqali A, Monshouwer-Kloots J, et al. CAZIP, a novel protein expressed in the developing heart and nervous system. Dev. Dyn.2009; 238:2903-11.
Jiang K, Wang J, Liu J, et al. TIP150 interacts with and targets MCAK at the microtubule plus ends. EMBO Rep.2009; 10:857-65.