

**MIPU1 Antibody**  
**Catalog # ASC10923****Specification**

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**MIPU1 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q5HYK9</a>
Other Accession	<a href="#">NP_071386</a> , <a href="#">38524600</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	MIPU1 antibody can be used for detection of MIPU1 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

**MIPU1 Antibody - Additional Information**

Gene ID	63934
<b>Target/Specificity</b>	
ZNF667;	

**Reconstitution & Storage**

MIPU1 antibody can be stored at 4°C for three months and -20°C, 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**

MIPU1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**MIPU1 Antibody - Protein Information**

**Name** ZNF667

**Function**

May be involved in transcriptional regulation.

**Cellular Location**

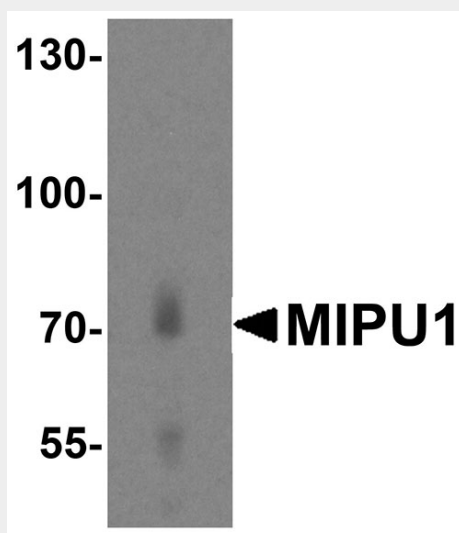
Nucleus.

**MIPU1 Antibody - Protocols**

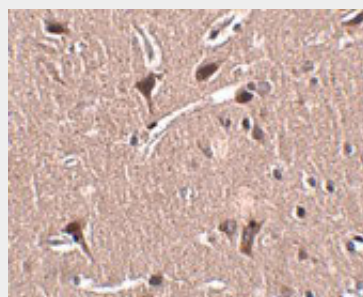
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

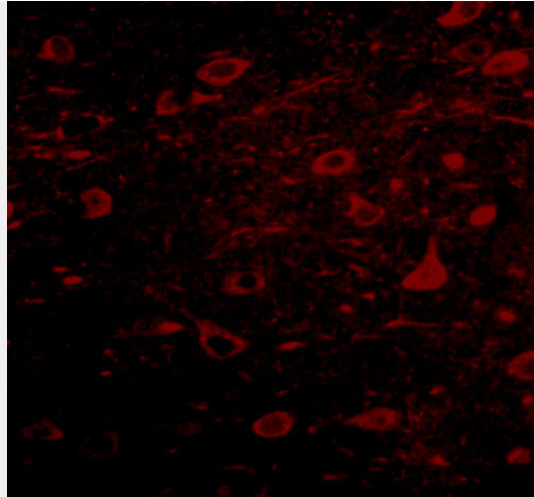
#### MIPU1 Antibody - Images



Western blot analysis of MIPU1 in human heart tissue lysate with MIPU1 antibody at 1  $\mu\text{g/mL}$ .



Immunohistochemistry of MIPU1 in human brain tissue with MIPU1 antibody at 2.5  $\mu\text{g/mL}$ .



Immunofluorescence of MIPU in human brain tissue with MIPU antibody at 20 µg/mL.

### **MIPU1 Antibody - Background**

MIPU1 Antibody: 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.

### **MIPU1 Antibody - References**

Jiang L, Tang D, Wang K, et al. Functional analysis of a novel KRAB/C2H2 zinc finger protein Mipu1. *Biochem. Biophys. Res. Commun.*2007; 356:829-35.  
Wang G, Zuo X, Jiang L, et al. Tissue expression and subcellular localization of Mipu1, a novel myocardial ischemia-related gene. *Braz. J. Biol. Res.*2009; epub.  
Yuan C, Zhang HL, Liu Y, et al. Cloning and characterization of a new gene Mipu1 up-regulated during myocardial ischemia-reperfusion. *Prog. Biochem. Biophys.*2004; 31:231-6.  
Wang G, Zuo X, Yuan C, et al. Mipu1, a novel rat zinc-finger protein, inhibits transcriptional activities of AP-1 and SRE in mitogen-activated protein kinase signaling pathway. *Mol. Cell. Biochem.*2009; 322:93-102.