

MIPU1 Antibody

Catalog # ASC10923

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q5HYK9
Other Accession	NP_071386 , 38524600
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	70161
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MIPU1 antibody can be used for detection of MIPU1 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	63934
Other Names	Zinc finger protein 667, ZNF667
Target/Specificity	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.

Protein Information

Name	ZNF667
Function	May be involved in transcriptional regulation.
Cellular Location	Nucleus.

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.

References

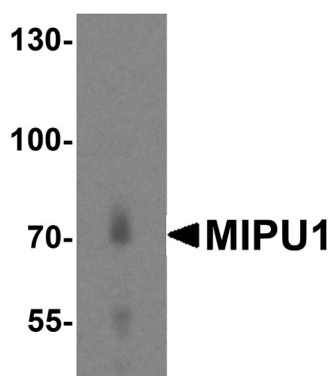
Jiang L, Tang D, Wang K, et al. Functional analysis of a novel KRAB/C2H2 zinc finger protein Mipu1. *Biochem. Biophys. Res. Commun.*2007; 356:829-35.

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.

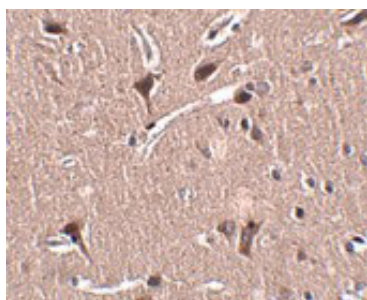
Yuan C, Zhang HL, Liu Y, et al. Cloning and characterization of a new gene Mipu1 up-regulated during myocardial ischemia-reperfusion. *Prog. Biochem. Biophys.*2004; 31:231-6.

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.

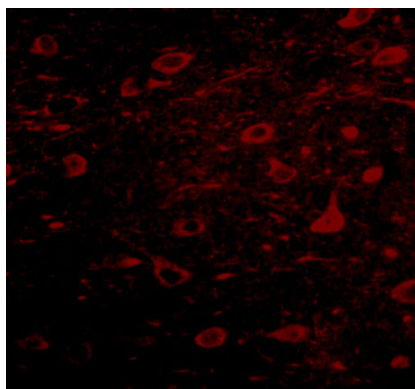
Images



Western blot analysis of MIPU1 in human heart tissue lysate with MIPU1 antibody at 1 µg/mL.



Immunohistochemistry of MIPU1 in human brain tissue with MIPU1 antibody at 2.5 µg/mL.



Immunofluorescence of MIPU1 in human brain tissue with MIPU1 antibody at 20 µg/mL.