Datasheet

Version: 3.0.0 Revision date: 09 Jun 2025



Junction Mediating And Regulatory Protein (JMY) Antibody

Catalogue No.:abx030973



JMY acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics depending on conditions. In nucleus, acts as a cofactor that increases p53/TP53 response via its interaction with p300/EP300. Increases p53/TP53-dependent transcription and apoptosis, suggesting an important role in p53/TP53 stress response such as DNA damage. In cytoplasm, acts as a nucleation-promoting factor for both branched and unbranched actin filaments. Activates the Arp2/3 complex to induce branched actin filament networks. Also catalyzes actin polymerization in the absence of Arp2/3, creating unbranched filaments. Contributes to cell motility by controlling actin dynamics. May promote the rapid formation of a branched actin network by first nucleating new mother filaments and then activating Arp2/3 to branch off these filaments. The p53/TP53-cofactor and actin activator activities are regulated via its subcellular location (By similarity).

Target: Junction Mediating And Regulatory Protein (JMY)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human

JMY.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by peptide affinity purification.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Website: www.abbexa.com · Email: info@abbexa.com

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UniProt Primary AC: Q8N9B5 (<u>UniProt</u>, <u>ExPASy</u>)

Gene Symbol: JMY

KEGG: hsa:133746

String: <u>9606.ENSP00000379441</u>

Molecular Weight: Calculated MW: 111 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Mouse JMY.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC,

THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL

CONSUMPTION.