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Datasheet for ABIN7157163

anti-JMY antibody (AA 708-848) (Biotin)

Overview

Quantity:	100 µg
Target:	JMY
Binding Specificity:	AA 708-848
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMY antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Junction-mediating and -regulatory protein (708-848AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	JMY
Alternative Name:	JMY (JMY Products)
Background:	Background: 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

Target Details

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).

Aliases: FLJ37870 antibody, Jmy antibody, JMY protein antibody, JMY_HUMAN antibody, junction mediating and regulatory protein antibody, Junction mediating and regulatory protein p53 cofactor antibody, Junction-mediating and -regulatory protein antibody, MGC163496 antibody, OTTHUMP00000161976 antibody, WAS protein homology region 2 domain containing 1-like 3 antibody, WHDC1L3 antibody

UniProt: [Q8N9B5](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.