



Datasheet for ABIN2789961
anti-JMY antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	JMY
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMY antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	VFIVAWNEIE GKFAITCHNR TAQRQRSGSR EQAGARGGAE AGGAASDGSR
Predicted Reactivity:	Cow: 86%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against JMY. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	JMY
Alternative Name:	JMY (JMY Products)
Background:	JMY acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics depending on conditions. In nucleus, JMY acts as a cofactor that increases p53/TP53 response

Target Details

via its interaction with p300/EP300. JMY increases p53/TP53-dependent transcription and apoptosis, suggesting an important role in p53/TP53 stress response such as DNA damage. In cytoplasm, JMY acts as a nucleation-promoting factor for both branched and unbranched actin filaments. JMY activates the Arp2/3 complex to induce branched actin filament networks. JMY also catalyzes actin polymerization in the absence of Arp2/3, creating unbranched filaments. JMY contributes to cell motility by controlling actin dynamics. JMY 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.

Alias Symbols: FLJ37870, MGC163496, WHDC1L3

Protein Interaction Partner: CCDC136, UBC, EP300, MDM2, E2F4, E2F3, E2F2, E2F1,

Protein Size: 712

Molecular Weight: 82 kDa

Gene ID: 133746

NCBI Accession: [NM_152405](#), [NP_689618](#)

UniProt: [Q8N9B5](#)

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

Application Details

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

Comment: Antigen size: 712 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

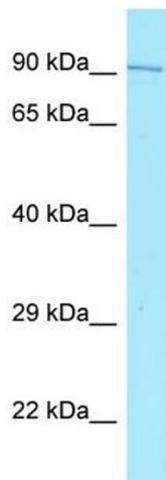
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-JMY Antibody Titration: 1.0 ug/ml Positive Control: Fetal Lung