

Datasheet for ABIN1881469  
**anti-JMY antibody (N-Term)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	JMY
Binding Specificity:	AA 2-29, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This JMY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human JMY.
Clone:	RB30560
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	JMY
Alternative Name:	JMY ( <a href="#">JMY Products</a> )
Background:	JMY acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics

## Target Details

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).

Molecular Weight: 111445

NCBI Accession: [NP\\_689618](#)

UniProt: [Q8N9B5](#)

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

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Expiry Date: 6 months

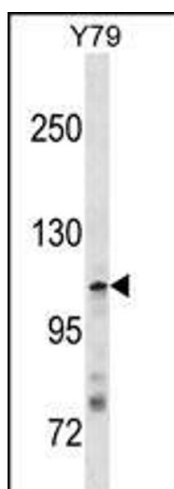
## Publications

Product cited in: Zampagni, Cascella, Casamenti, Grossi, Evangelisti, Wright, Becatti, Liguri, Mannini, Campioni, Chiti, Cecchi: "A comparison of the biochemical modifications caused by toxic and non-toxic

protein oligomers in cells." in: **Journal of cellular and molecular medicine**, Vol. 15, Issue 10, pp. 2106-16, (2011) ([PubMed](#)).

Liao, Lasbury, Wang, Zhang, Durant, Murakami, Matsufuji, Lee: "Pneumocystis mediates overexpression of antizyme inhibitor resulting in increased polyamine levels and apoptosis in alveolar macrophages." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 8174-84, (2009) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** JMY Antibody (N-term) (ABIN1881469 and ABIN2838360) western blot analysis in Y79 cell line lysates (35 µg/lane). This demonstrates the JMY antibody detected the JMY protein (arrow).