

anti- JMY antibody

Product Information

Catalog No.:	FNab04443
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 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).

Immunogen information

Immunogen:	junction mediating and regulatory protein, p53 cofactor
Synonyms:	JMY, WHDC1L3
Observed MW:	111 kDa
UniprotID :	Q8N9B5

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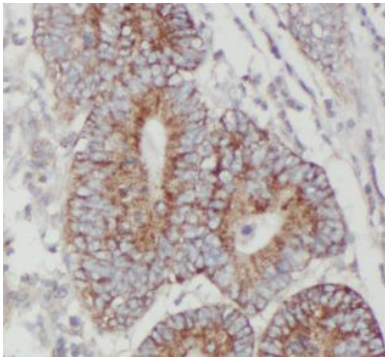
Application

Reactivity: Human, Mouse, Rat

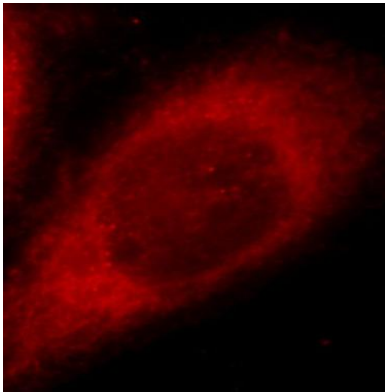
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using FNab04443(JMY Antibody) at dilution of 1:50



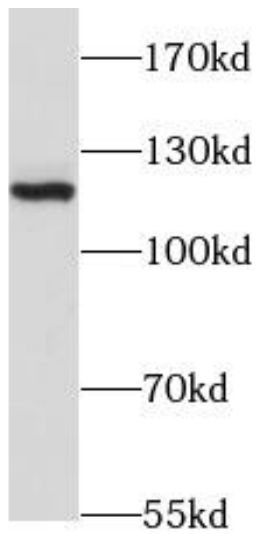
Immunofluorescent analysis of HeLa cells using FNab04443 (JMY antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG

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Jurkat cells were subjected to SDS PAGE followed by western blot with FNab04443(JMY Antibody) at dilution of 1:1000