

Rabbit JMY Polyclonal Antibody | anti-JMY antibody

JMY (C-terminal region) Antibody

CATALOG # AAA71654	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken, Fish	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

JMY; Polyclonal Antibody; JMY (C-terminal region) Antibody; JMY (C-terminal region); anti-JMY antibody

PRODUCT SPECIFICATIONS

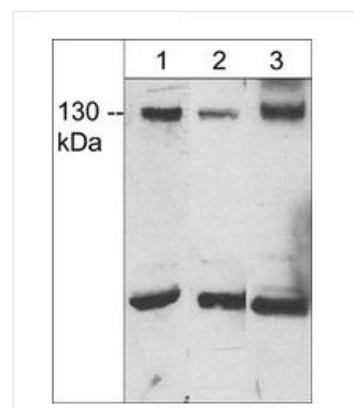
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Fish
Clonality	Polyclonal
Specificity	This antibody was affinity purified using JMY (C-terminal region) peptide (without carrier). The antibody detects a 130kDa* protein corresponding to the molecular mass of JMY on SDS-PAGE immunoblots of human HeLa, Jurkat cells, rat PC12 cells, and mouse brain and heart.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-JMY antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	JMY synthetic peptide (coupled to carrier protein) corresponds to amino acids in the C-terminal region of mouse JMY. This sequence is highly conserved in human, rat, frog, and zebrafish JMY proteins, and has low homology to other WASP family members.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of JMY relative to F-actin in chick fibroblasts. The cells were labeled with rabbit polyclonal JMY antibody (JP3991), then detected using appropriate secondary antibody (Green). This labeling is compared to F-actin staining (Red). (Image provided by Dr. Gianluca Gallo at Drexel University).



WB (Western Blot)

Western blot showing JMY expression in rat PC12 cells (lane 1), human Jurkat cells (lane 2), and adult mouse heart (lane 3). The blots were probed with anti-JMY (C-terminal region) rabbit polyclonal antibody at 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-JMY antibody	JMY (junction mediating and regulatory protein) is a transcription co-factor, originally identified as a p300-binding protein involved in p53-dependent transcription. Upon DNA damage, JMY is released from Mdm2 inhibition and forms a complex with Strap and p300. This complex recruits PRMT5 to activate the p53 response. Through regulation of p53-dependent transcription, JMY has important roles in the DNA damage response. In addition, JMY contains three carboxyl-terminal WH2 actin binding domains which are commonly found in WASP family proteins. JMY can bind to actin and to the Arp2/3 complex, as well as direct the assembly of actin filaments in vitro. These actin-regulating effects of JMY may have important roles in cell migration. When slow migrating HL-60 cells are differentiated into highly motile neutrophil-like cells, JMY moves from the nucleus to the cytoplasm and is concentrated at the actin-rich leading edge of cells. The loss of JMY leads to decreased cell migration in HL-60 cells. Thus, JMY represents a new class of multifunctional actin assembly factors whose activity may be regulated by cellular localization.
References	Coutts, A.S. et al. (2009) PNAS 106(47):19872. Zuchero, J.B. et al. (2009) Nat Cell Biol. 11(4):451. Shikama, N. et al. (1999) Molecular Cell 4:365.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61098108
NCBI GeneID	57748
NCBI Accession #	NP_067285.2
NCBI GenBank Nucleotide #	NM_021310.3
UniProt Accession #	Q9QXM1; Q3UQZ0; Q5BL16; Q6NST0; Q8CBP9; Q8VDZ3
Molecular Weight	110,586 Da
NCBI Official Full Name	junction-mediating and -regulatory protein
NCBI Official Synonym Full Names	junction-mediating and regulatory protein
NCBI Official Symbol	Jmy
NCBI Protein Information	junction-mediating and -regulatory protein; p300 transcriptional cofactor JMY
UniProt Protein Name	Junction-mediating and -regulatory protein
UniProt Gene Name	Jmy
UniProt Entry Name	JMY_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/jmy-antibody-immunocytochemistry-western-blot-elisa/71654>