

Rabbit MYO16 Polyclonal Antibody | anti-MYO16 antibody

MYO16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328049	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MYO16; Polyclonal Antibody; MYO16 Antibody; Kiaa0865; Myo16; MYO16 variant protein; MYO16_HUMAN; Myo16b; Myosin heavy chain Myr 8; Myosin-XVI; MYR8; Neuronal tyrosine-phosphorylated phosphoinositide-3-kinase; neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 3; NYAP3; RP11-54H7.1; Unconventional myosin-16; unconventional myosin-XVI; anti-MYO16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYO16 antibody detects endogenous levels of total MYO16
Purity/Purification	Peptide affinity purified
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1858
Applicable Applications for anti-MYO16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MYO16, corresponding to a region within the internal amino acids.
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of MYO16 using Jurkat whole cell lysates


WB (Western Blot)

Western blot analysis of extracts from mouse spleen, using MYO16 Antibody.



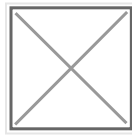
IF (Immunofluorescence)

AAA328049 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA328049 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



IF (Immunofluorescence)

AAA328049 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328049) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG (H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-MYO16 antibody

Function: Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. May be involved in targeting of the catalytic subunit of protein phosphatase 1 during brain development. Activates PI3K and concomitantly recruits the WAVE1 complex to the close vicinity of PI3K and regulates neuronal morphogenesis (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	62177127
NCBI GeneID	23026
NCBI Accession #	NP_055826.1
NCBI GenBank Nucleotide #	NM_015011.2
UniProt Accession #	Q9Y6X6; Q5VYX4; Q5VYX5; Q5VYX6; Q6ZS13; Q8N3C2; Q8N948; A6H8Y0; A8MTX3
Molecular Weight	206 kDa
NCBI Official Full Name	unconventional myosin-XVI isoform 2
NCBI Official Synonym Full Names	myosin XVI
NCBI Official Symbol	MYO16
NCBI Official Synonym Symbols	MYR8; MYAP3; NYAP3; Myo16b; PPP1R107
NCBI Protein Information	unconventional myosin-XVI
UniProt Protein Name	Unconventional myosin-XVI
UniProt Gene Name	MYO16

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/myo16-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328049>