

Rabbit MYO5A Polyclonal Antibody | anti-MYO5A antibody

MYO5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324864	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

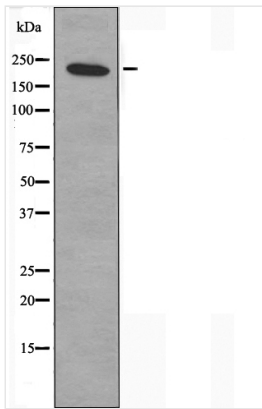
PRODUCT SYNONYMS

MYO5A; Polyclonal Antibody; MYO5A Antibody; non-muscle; Dilute myosin heavy chain; GS1; MYH12; MYO5; Myo5a; MYO5A_HUMAN; Myosin heavy chain 12; Myosin heavy polypeptide kinase; Myosin V; Myosin VA (heavy polypeptide 12 myoxin); Myosin-12; Myoxin; MYR12; Unconventional myosin-Va; anti-MYO5A antibody

PRODUCT SPECIFICATIONS

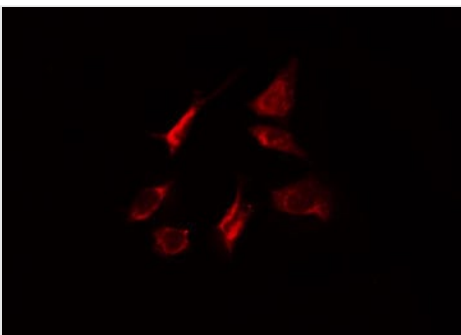
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYO5A antibody detects endogenous levels of total MYO5A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1855
Applicable Applications for anti-MYO5A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Detected in melanocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using MYO5A antibody.



IF (Immunofluorescence)

AAA324864 staining HeLa 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.

ADDITIONAL INFORMATION

Related Product Information for anti-MYO5A antibody	Function: Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane. May also be required for some polarization process involved in dendrite formation. Subunit Structure: May be a homodimer, which associates with multiple calmodulin or myosin light chains (By similarity). Interacts with RIPL2, the interaction is required for its role in dendrite formation (By similarity). Interacts with MLPH (PubMed:12062444). Interacts with SYTL4 (By similarity). Interacts with MYRIP (By similarity). Interacts with RAB10; mediates the transport to the plasma membrane of SLC2A4/GLUT4 storage vesicles (PubMed:22908308). Interacts with FMR1; this interaction occurs in association with polyribosome (By similarity). Similarity: Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Myosin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215982791
NCBI GeneID	4644
NCBI Accession #	NP_000250.3
NCBI GenBank Nucleotide #	NM_000259.3
UniProt Accession #	Q9Y4I1; O60653; Q07902; Q16249; Q9UE30; Q9UE31; A8MZC5
Molecular Weight	Observed: 220 kD Predicted: 216 kDa
NCBI Official Full Name	unconventional myosin-Va isoform 1
NCBI Official Synonym Full Names	myosin VA
NCBI Official Symbol	MYO5A
NCBI Official Synonym Symbols	GS1; MYO5; MYH12; MYR12
NCBI Protein Information	unconventional myosin-Va
UniProt Protein Name	Unconventional myosin-Va
UniProt Gene Name	MYO5A
UniProt Synonym Gene Names	MYH12

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.

