

Rabbit anti-Human, Mouse MYH14 Polyclonal Antibody | anti-MYH14 antibody

MYH14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324860	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MYH14; Polyclonal Antibody; MYH14 Antibody; 2400004E04Rik; DFNA4; DKFZp667A1311; FLJ13881; FLJ43092; FP17425; II C; KIAA2034; MHC16; Myh 14; MYH14_HUMAN; Myosin 14; Myosin; Myosin heavy chain 14; Myosin heavy chain; Myosin heavy chain non muscle IIc; Myosin heavy polypeptide 14; Myosin-14; NMHC II C; NMHC II-C; Non muscle myosin heavy chain IIc; non-muscle IIc; Non-muscle myosin heavy chain IIc; Nonmuscle myosin heavy chain II C; OTTMUSP00000019210; anti-MYH14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MYH14 antibody detects endogenous levels of total MYH14
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	2003
Applicable Applications for anti-MYH14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	High levels of expression are found in brain (highest in corpus callosum), heart, kidney, liver, lung, small intestine, colon and skeletal muscle. Expression is low in organs composed mainly of smooth muscle, such as aorta, uterus and urinary bladder. No detectable expression is found in thymus, spleen, placenta and lymphocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (90%), Bovine (90%), Horse (91%), Sheep (89%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324860 staining 293 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.



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using MYH14 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH14 antibody	Function: Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Subunit Structure: Myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2). Similarity: The rodlike tail sequence is highly repetitive, showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides, characteristic for alpha-helical coiled coils. Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Myosin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116284396
NCBI GeneID	79784
NCBI Accession #	NP_001070654.1
NCBI GenBank Nucleotide #	NM_001077186.1
UniProt Accession #	Q7Z406; Q5CZ75; Q6XYE4; Q76B62; Q8WV23; Q96I22; Q9BT27; Q9BW35; Q9H882; B0I1S2; C3TTN4
Molecular Weight	Observed: 228 kD Predicted: 228 kDa
NCBI Official Full Name	myosin-14 isoform 1
NCBI Official Synonym Full Names	myosin heavy chain 14
NCBI Official Symbol	MYH14
NCBI Official Synonym Symbols	DFNA4; MHC16; MYH17; PNMHH; DFNA4A; myosin; FP17425; NMHC II-C; NMHC-II-C
NCBI Protein Information	myosin-14
UniProt Protein Name	Myosin-14
UniProt Gene Name	MYH14
UniProt Synonym Gene Names	KIAA2034; NMHC II-C

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.