

Rabbit MYO6 Polyclonal Antibody | anti-MYO6 antibody

MYO6 Antibody (C-term R1181)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287743	Rabbit	Human (Predicted Reactivity: Mouse)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MYO6; Polyclonal Antibody; MYO6 Antibody (C-term R1181); Unconventional myosin-VI; Unconventional myosin-6; KIAA0389; anti-MYO6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MYO6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1166-1195 amino acids from the C-terminal region of human MYO6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.33 (varies by lot)
Sequence Positions	1166-1195
Sequence Length	1,285
Applicable Applications for anti-MYO6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of MYO6 Antibody (C-term R1181) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

MYO6 Antibody (C-term R1181) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MYO6 Antibody (C-term R1181) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

MYO6 Antibody (C-term R1181) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the MYO6 antibody detected the MYO6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MYO6 antibody	This gene encodes a protein involved intracellular vesicle and organelle transport, especially in the hair cell of the inner ear. Mutations in this gene have been found in patients with non-syndromic autosomal dominant and recessive hearing loss.
Product Categories/Family for anti-MYO6 antibody	Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Nishikawa, S., et al. Cell 142(6):879-888(2010) Cho, S.J., et al. J. Biol. Chem. 285(35):27159-27166(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Szczyrba, J., et al. Mol. Cancer Res. 8(4):529-538(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	92859701
NCBI GeneID	4646
NCBI Accession #	NP_004990.3
NCBI GenBank Nucleotide #	NM_004999.3
UniProt Accession #	Q9UM54; Q5TEM5; Q5TEM6; Q5TEM7; Q9BZZ7; Q9UEG2; A6H8V4; E1P540
Molecular Weight	149691
NCBI Official Full Name	unconventional myosin-VI isoform 1
NCBI Official Synonym Full Names	myosin VI
NCBI Official Symbol	MYO6
NCBI Official Synonym Symbols	DFNA22; DFNB37
NCBI Protein Information	unconventional myosin-VI
UniProt Protein Name	Unconventional myosin-VI
UniProt Gene Name	MYO6
UniProt Synonym Gene Names	KIAA0389
UniProt Entry Name	MYO6_HUMAN

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