
Summary

Production Name	MYH14 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MYH14
Alternative Names	MYH14; KIAA2034; FP17425; Myosin-14; Myosin heavy chain 14; Myosin heavy chain; non-muscle IIc; Non-muscle myosin heavy chain IIc; NMHC II-C
Gene ID	79784.0
SwissProt ID	Q7Z406.The antiserum was produced against synthesized peptide derived from human MYH14. AA range:1051-1100

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000..
Molecular Weight	228kD

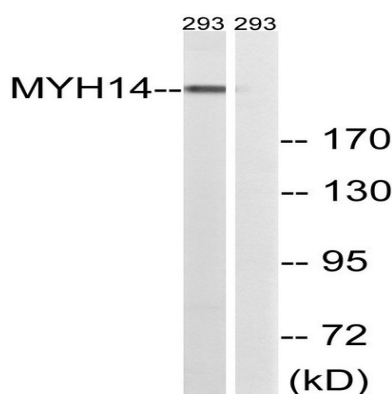
Background

This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-14 (MYO14). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene result in one form of autosomal dominant hearing impairment. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],disease:Defects in MYH14 are the cause of non-syndromic sensorineural deafness autosomal dominant type 4 (DFNA4) [MIM:600652]. DFNA4 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.,domain: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.,function:Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping.,sequence caution:Translation N-terminally extended.,similarity:Contains 1 IQ domain.,similarity:Contains 1 myosin head-like domain.,subunit: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),tissue specificity:High levels of expression are found in 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.,

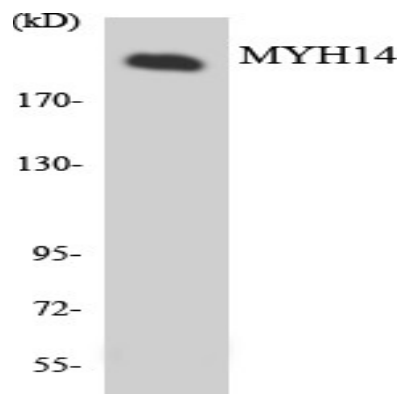
Research Area

Tight junction;Regulates Actin and Cytoskeleton;Viral myocarditis;

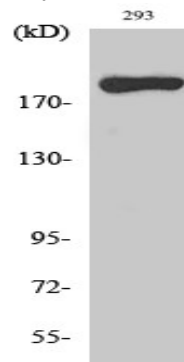
Image Data



Product Name: MYH14 Rabbit Polyclonal Antibody
Catalog #: APRab14292



Western blot analysis of the lysates from HeLa cells using MYH14 antibody.



Western Blot analysis of various cells using MYH14 Polyclonal Antibody diluted at 1: 1000

Note

For research use only.