Anti-Human/Mouse MYH14 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA05192

3th Edition

Description: 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.MYH14 (Myosin Heavy Chain 14) is a Protein Coding gene. Diseases associated with MYH14 include Peripheral Neuropathy, Myopathy, Hoarseness, And Hearing Loss and Deafness, Autosomal Dominant 4A. Among its related pathways are Immune response CCR3 signaling in eosinophils and Cytoskeleton remodeling Regulation of actin cytoskeleton by Rho GTPases. GO annotations related to this gene include calmodulin binding and motor activity. An important paralog of this gene is MYH10.

Antigen: Synthesized peptide derived from the Internal region of human MYH14

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

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.