Anti-Human/Mouse/Rat MYO6 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA06234

3th Edition

Description: This gene encodes a reverse-direction motor protein that moves toward the minus end of actin filaments and plays a role in intracellular vesicle and organelle transport. The protein consists of a motor domain containing an ATP- and an actin-binding site and a globular tail which interacts with other proteins. This protein maintains the structural integrity of inner ear hair cells and mutations in this gene cause non-syndromic autosomal dominant and recessive hearing loss. Alternative splicing results in multiple transcript variants encoding distinct isoforms. MYO6 (Myosin VI) is a Protein Coding gene. Diseases associated with MYO6 include Deafness, Autosomal Dominant 22 and Deafness, Autosomal Recessive 37. Among its related pathways are PAK Pathway and Vesicle-mediated transport. GO annotations related to this gene include actin binding and actin filament binding. An important paralog of this gene is MYO7A.

Antigen: Synthesized peptide derived from the N-terminal region of human Myosin VI

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: Expressed in most tissues examined including heart, brain, placenta, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon. Highest levels in brain, pancreas, testis and small intestine. Also expressed in fetal brain and cochlea. Isoform 1 and isoform 2, containing the small insert, and isoform 4, containing neither insert, are expressed in unpolarized epithelial cells.