



MYO7A Monoclonal Antibody

Catalog No BYmab-05782 Isotype IgG Reactivity Human;Mouse Applications WB Gene Name MYO7A USH1B Protein Name Unconventional myosin-VIIa Immunogen Synthesized peptide derived from human protein . at AA range: 830-910 Specificity MYO7A Monoclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms Observed Band 243kD Cell Pathway Cytoplasm . Cytoplasm , cell cortex . Cytoplasm, cytoskeleton . Cell junction, synapse . In the photoreceptor cells, mainly localized in the inner and base of outer segments as well as in the synaptic ending region (PubMed:3842737) . In retenial pigment epithelial cells colocalizes with a subset of melanosmes, displays predominant localization to stress fiber-like structures and some localization to cytoplasmin, punct a (PubMed:21843988, PubMed:27331610). The complex formed by MY		
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Nanjing BYabscience technology Co.,Ltd



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	photoreceptor cells increases. Present in pigment epithelium and photoreceptor cells in adult.,disease:Defects in MYO7A are the cause of non-syndromic sensorineural deafness autosomal dominant type 11 (DFNA11) [MIM:601317].,disease:Defects in MYO7A are the cause of non-syndromic sensorineural deafness autosomal recessive type 2 (DFNB2) [MIM:600060]; also called neurosensory non-syndromic recessive deafness 2 (NSRD2). DFNB2 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptor
Background	This gene is a member of the myosin gene family. Myosins are mechanochemical proteins characterized by the presence of a motor domain, an actin-binding domain, a neck domain that interacts with other proteins, and a tail domain that serves as an anchor. This gene encodes an unconventional myosin with a very short tail. Defects in this gene are associated with the mouse shaker-1 phenotype and the human Usher syndrome 1B which are characterized by deafness, reduced vestibular function, and (in human) retinal degeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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