G-Biosciences Image not found or type unknown

Immunotag™ MYO15 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN0911
Product Description	Immunotag™ MYO15 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MYO15
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p
Recommended Dilution	IHC-p 1:50-300
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 2990-3070
Specificity	MYO15 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	MYO15A MYO15
Accession No.	Q9UKN7 Q9QZZ4

Antibody Specification

Description	myosin XVA(MYO15A) Homo sapiens This gene encodes an unconventional myosin. This protein differs from other myosins in that it has a long N-terminal extension preceding the conserved motor domain. Studies in mice suggest that this protein is necessary for actin organization in the hair cells of the cochlea. Mutations in this gene have been associated with profound, congenital, neurosensory, nonsyndromal deafness. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Read-through transcripts containing an upstream gene and this gene have been identified, but they are not thought to encode a fusion protein. Several alternatively spliced transcript variants have been described, but their full length sequences have not been determined. [provided by RefSeq, Jul 2008],
Protein Expression	Brain,Human fetal brain,Testis,
Subcellular Localization	cytoplasm,cytoskeleton,myosin complex,stereocilium,extracellular exosome,
Protein Function	disease:Defects in MYO15A are the cause of non-syndromic sensorineural deafness autosomal recessive type 3 (DFNB3) [MIM:600316]. DFNB3 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.,function:Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. Required for the arrangement of stereocilia in mature hair bundles.,similarity:Contains 1 FERM domain.,similarity:Contains 1 myosin head-like domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 MyTH4 domains.,similarity:Contains 3 IQ domains.,subcellular location:Localizes to stereocilium tips in cochlear and vestibular hair cells.,subunit:Interacts with the third PDZ domain of WHRN which is necessary for localization of WHRN to stereocilium tips.,tissue specificity:Highly expressed in pituitary. Also expressed at lower levels in adult brain, kidney, liver, lung, pancreas, placenta and skeletal muscle. Not expressed in brain. In the pituitary, highly expressed in anterior gland cells.,
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