Datasheet for ABIN6144291

anti-Myosin VI antibody (AA 1016-1285)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	Myosin VI (MYO6)
Binding Specificity:	AA 1016-1285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myosin VI antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1016-1285 of human MYO6 (NP_004990.3).
Sequence:	IAQSEAELIS DEAQADLALR RNDGTRPKMT PEQMAKEMSE FLSRGPAVLA TKAAAGTKKY DLSKWKYAEL RDTINTSCDI ELLAACREEF HRRLKVYHAW KSKNKKRNTE TEQRAPKSVT DYDFAPFLNN SPQQNPAAQI PARQREIEMN RQQRFFRIPF IRPADQYKDP QSKKKGWWYA HFDGPWIARQ MELHPDKPPI LLVAGKDDME MCELNLEETG LTRKRGAEIL PRQFEEIWER CGGIQYLQNA IESRQARPTY ATAMLQSLLK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

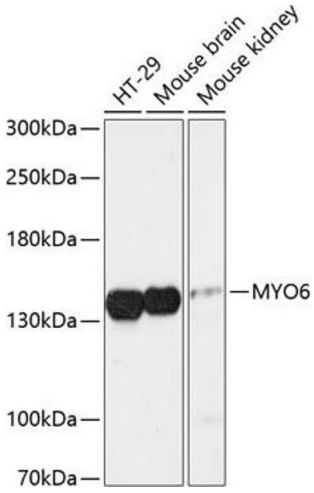
Target:	Myosin VI (MYO6)
Alternative Name:	MYO6 (MYO6 Products)
Background:	This gene encodes a reverse-direction motor protein that moves toward the minus end of actin filaments and plays a role in intracellular vesicle and organelle transport. The protein consists of a motor domain containing an ATP- 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,DFNA22,DFNB37,Myo6-007,Myo6-008,myosin VI,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Motor Proteins,MYO6
Molecular Weight:	145 kDa/146 kDa/148 kDa/149 kDa
Gene ID:	4646
UniProt:	Q9UM54
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport, Asymmetric Protein Localization

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MYO6 antibody (ABIN6129617, ABIN6144291, ABIN6144292 and ABIN6216869) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.