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Datasheet for ABIN907501 anti-Myosin VIIA antibody (AA 851-950) (Alexa Fluor 647)



Overview

Quantity:	100 µL	
Target:	Myosin VIIA (MYO7A)	
Binding Specificity:	AA 851-950	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Myosin VIIA antibody is conjugated to Alexa Fluor 647	
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Alternative Name:

Immunogen:	KLH conjugated synthetic peptide derived from human Myosin VIIa
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.
Target Details	
Target:	Myosin VIIA (MYO7A)

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Myosin 7a (MYO7A Products)

MY07A Background: Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails bind to membranous compartments, which are then moved relative to actin filaments. In the retina, plays an important role in the regulation of retinal pigment epithelial (RPE) melanosomes and phagosomes, and in the regulation of opsint transport in retinal photoreceptors. In the inner ear, plays an important role in differentiation, morphogenesis and organization of octilear hair cell bundles. Involved in hain-cell vesicle trafficking of arninoglycosides, which are known to induce ototoxicity (By similarity). Motor protein that is a part of the functional network formed by USHTQ, USHTQ, UDSHTQ, CDH23 and MYO7A that mediates mechanotransduction in occhlear hair cells Required for normal hearing. Gene ID: 4647 UniProt. 013402 Pathways: Sensory Perception of Sound Application Notes: IF(IH-CP) 1:50-200 IF(IHC-F) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 IP(IHC-F) 1:50-200 IF(ICC) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 Restrictions: For Research Use only Handling Interface only Handling Aqueous buffered solution containing 0.01M TBS (pH7.4) with 1% BSA, 0.03 % Proclin300 am 50 % Glycerol Preservative: ProClin Preservative: ProClin Precaution of Use: This product contains ProClin: a PDISONDUS AND HAZARDOUS SUBSTANCE, which should be handled by trained s	Target Details		
UniProt: Q13402 Pathways: Sensory Perception of Sound Application Details IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(IHC-F) 1:50-200 IF(IHC-F) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 IF(IHC-F) 1:50-200 Restrictions: For Research Use only Handling Iuiquid Concentration: 1 µg/µL Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. Preservative: ProClin Preservative: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	Background:	MYO7A Background: Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails bind to membranous compartments, which are then moved relative to actin filaments. In the retina, plays an important role in the renewal of the outer photoreceptor disks. Plays an important role in the distribution and migration of retinal pigment epithelial (RPE) melanosomes and phagosomes, and in the regulation of opsin transport in retinal photoreceptors. In the inner ear, plays an important role in differentiation, morphogenesis and organization of cochlear hair cell bundles. Involved in hair-cell vesicle trafficking of aminoglycosides, which are known to induce ototoxicity (By similarity). Motor protein that is a part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells.	
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50 % Glycerol. Preservative: ProClin Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	Concentration:	1 μg/μL	
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handled by trained staff only.	Preservative:	ProClin	
Storage: -20 °C	Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
	Storage:	-20 °C	

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Storage Comment:

Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date:

12 months

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