antibodies -online.com





anti-Myosin VIIA antibody



Overview

| Quantity: | 100 μg |
|--------------|---|
| Target: | Myosin VIIA (MYO7A) |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Myosin VIIA antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| Immunogen: | myosin VIIA |
|---------------|---------------------------------|
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

| Target: | Myosin VIIA (MYO7A) |
|-------------------|--|
| Alternative Name: | MY07A (MY07A Products) |
| Background: | Synonyms:USH1B 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 |

Target Details

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. Required for normal hearing.

| Molecular Weight: | 160-255kd |
|-------------------|-----------------------------|
| Gene ID: | 4647 |
| UniProt: | Q13402 |
| Pathways: | Sensory Perception of Sound |

Application Details

| Application Notes: | WB: 1:500-1:2000, IF: 1:20-1:200 |
|--------------------|----------------------------------|
| Restrictions: | For Research Lise only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | PBS with 0.02 % sodium azide and 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: | -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |
| Expiry Date: | 12 months |