bs-7761R **[Primary Antibody]**

Myosin VIIa Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4647 **SWISS:** Q13402

Target: Myosin VIIa

Immunogen: KLH conjugated synthetic peptide derived from human Myosin VIIa: 851-950/2215.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. In retina, myosin VIIa may play a role in trafficking of ribbon-synaptic vesicle complexes and renewal of the outer photoreceptors disks. In inner ear, it may maintain the rigidity of stereocilia during the dynamic movements of the bundle.

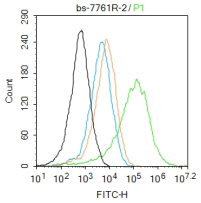
Applications: **Flow-Cyt** (2ug/Test)

Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 244 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Blank control:Mouse kidney. Primary Antibody (green line): Rabbit Anti-Myosin VIIa antibody (bs-7761R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=10.7]** Min Young Jeong. et al. Dexamethasone nanocrystals-embedded hydroxypropyl methylcellulose hydrogel increases cochlear delivery and attenuates hearing loss following intratympanic injection. CARBOHYD POLYM. 2024 Dec;345:122546 IF ;Mouse. 10.1016/j.carbpol.2024.122546