SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-Myo7a Monoclonal Antibody

Catalog Number: SLA0551M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	10H4
Target:	Myo7a
Immunogen:	Recombinant mouse Myosin VIIa protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Size : 25ul/50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS (pH7.4). Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse
Predicted MW.:	244 kDa
Subcellular Location:	Cytoplasm
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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

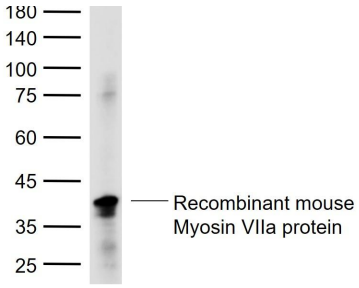


Figure 1. Sample: Lane 1: Recombinant mouse Myosin VIIa protein, N-Trx-His(SL42234P) Primary: Anti-Myosin VIIa (SLA0551M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 244 kDa Observed band size: 42 kDa

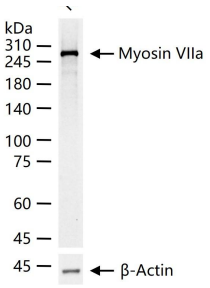


Figure 2. 25 ug total protein per lane of various lysates (see on figure) probed with Myosin VIIa monoclonal antibody, unconjugated (SLA0551M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.
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