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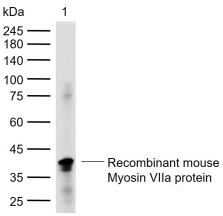
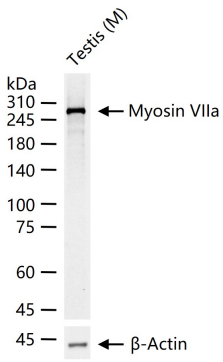
Myosin VIIa Recombinant Rabbit mAb

Catalog Number:	bsm-42234R
Target Protein:	Myosin VIIa
Concentration:	1mg/ml
Form:	Size : 25ul/50ul/100ul/200ul Liquid Size : 200ug (PBS only) Lyophilized Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	19C1
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Mouse
Predicted MW:	244 kDa
Subcellular Locations:	Cytoplasm
Source:	Recombinant mouse Myosin VIIa protein: 861-1035/2215.
Purification:	affinity purified by Protein A
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 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.

VALIDATION IMAGES



Sample: Lane 1: Recombinant mouse Myosin VIIa protein, N-Trx-His(bs-42234P) Primary: Anti-Myosin VIIa (bsm-42234R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 244 kDa Observed band size: 42 kDa



25 ug total protein per lane of various lysates (see on figure) probed with Myosin VIIa monoclonal antibody, unconjugated (bsm-42234R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.