

Anti-Myosin VIIa Antibody (4I576)

Product Details

Ig Type:	IgG
Reactivity:	Mouse
Molecular Weight:	Theoretical: 244 kDa. Actual: 255 kDa.
Clone:	4I576
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Recombinant mouse Myosin VIIa protein, N-Trx-His Primary: Anti-Myosin VIIa (TMAB-09185) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 244 kDa Observed band size: 42 kDa 2. 25 µg total protein per lane of various lysates (see on figure) probed with Myosin VIIa monoclonal antibody, unconjugated (TMAB-09185) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: mouse Myosin VIIa protein
Antigen Species:	Mouse
Gene ID:	4647

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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