

## Anti-Myosin VIIa Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Cow,Horse)
Molecular Weight:	Theoretical: 254 kDa. Actual: 250 kDa.
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Rat Testis tissue lysates
Verified Activity:	Primary: Anti-Myosin VIIa (TMAB-09184) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 254 kDa Observed band size: 250 kDa
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:	KLH conjugated synthetic peptide: human Myosin VIIa
Antigen Species:	Human
Gene ID:	4647
Uniprot ID:	Q13402

## 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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