



# MYO10 Polyclonal Antibody

<b>Catalog No</b>	BYab-05783
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	MYO10 KIAA0799
<b>Protein Name</b>	Unconventional myosin-X (Unconventional myosin-10)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 680-760
<b>Specificity</b>	MYO10 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	226kD
<b>Cell Pathway</b>	Cytoplasm, cytosol . Cell projection, lamellipodium . Cell projection, ruffle . Cytoplasm, cytoskeleton . Cell projection, filopodium tip . Cytoplasm, cell cortex . Cell projection, filopodium membrane ; Peripheral membrane protein . May be in an inactive, monomeric conformation in the cytosol. Detected in cytoplasmic punctae and in cell projections. Colocalizes with actin fibers. Undergoes forward and rearward movements within filopodia. Interacts with microtubules.
<b>Tissue Specificity</b>	Ubiquitous.
<b>Function</b>	function: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 (By similarity). Plays a role in regions of dynamic actin.,similarity:Contains 1 FERM domain.,similarity:Contains 1 myosin head-like domain.,similarity:Contains 1 MyTH4 domain.,similarity:Contains 2 PH domains.,similarity:Contains 3 IQ domains.,

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**Background**

myosin X(MYO10) Homo sapiens This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-10 (MYH10). Unconventional myosins contain the basic domains of conventional myosins and are further distinguished from class members by their tail domains. This gene functions as an actin-based molecular motor and plays a role in integration of F-actin and microtubule cytoskeletons during meiosis. [provided by RefSeq, Dec 2011],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**