



## Rabbit Anti-MYO10 antibody

SL19153R

<b>Product Name:</b>	MYO10
<b>Chinese Name:</b>	肌凝蛋白X抗体
<b>Alias:</b>	AW048724; D15Ertd600e; FLJ10639; FLJ21066; FLJ22268; FLJ43256; KIAA0799; MGC131988; mKIAA0799; MYO10; MYO10_HUMAN; Myosin X; Myosin-X; OTTMUSP00000022066; Unconventional myosin 10; Unconventional myosin X; Unconventional myosin-10.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	237kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MYO10:551-650/2058
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**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.

**Subunit:**

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.

**Similarity:**

Contains 1 FERM domain. Contains 3 IQ domains. Contains 1 myosin head-like domain.

Contains 1 MyTH4 domain.

Contains 2 PH domains.

**SWISS:**

Q9HD67

**Gene ID:**

4651

**Database links:**

[Entrez Gene: 281935](#) Cow

[Entrez Gene: 4651](#) Human

[Entrez Gene: 17909](#) Mouse

[Omim: 601481](#) Human

[SwissProt: P79114](#) Cow

[SwissProt: Q9HD67](#) Human

[SwissProt: F8VQB6](#) Mouse

[Unigene: 481720](#) Human

**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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