



## Rabbit Anti-Myosin IXA antibody

SL18973R

<b>Product Name:</b>	Myosin IXA
<b>Chinese Name:</b>	肌球蛋白9A抗体
<b>Alias:</b>	4732465J09Rik; C130068I12Rik; C230003M11; FLJ11061; FLJ13244; MGC71859; Myo9a; MYO9A variant protein; MYO9A_HUMAN; Myosin-IXa; MYR7; Unconventional myosin 9a; Unconventional myosin-9a.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Horse,Sheep,Recombinant Fragment, Recombinant Fragment, Macaque Monkey
<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>	293kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Myosin IXA:711-810/2548
<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-9 (MYH9). Unconventional myosins contain the basic domains of conventional myosins and are further distinguished from class members by their tail domains. They

function as actin-based molecular motors. Mutations in this gene have been associated with Bardet-Biedl Syndrome. [provided by RefSeq, Dec 2011]

**Function:**

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Regulates Rho activity in neurons, has a role in the regulation of neuronal morphology and function.

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Found to be expressed in testis and placenta, and at lower levels in all the examined tissues with the exception of liver. Isoform 5 was found in leukocytes but not in brain, retina or testis.

**Similarity:**

Contains 5 IQ domains.

Contains 2 myosin head-like domains.

Contains 2 phorbol-ester/DAG-type zinc fingers.

Contains 1 Ras-associating domain.

Contains 1 Rho-GAP domain.

**SWISS:**

B2RTY4

**Gene ID:**

4649

**Database links:**

[Entrez Gene: 4649](#) Human

[Entrez Gene: 270163](#) Mouse

[Entrez Gene: 171296](#) Rat

[Omim: 604875](#) Human

[SwissProt: B2RTY4](#) Human

[SwissProt: Q8C170](#) Mouse

[SwissProt: Q9Z1N3](#) Rat

[Unigene: 546268](#) Human

[Unigene: 249545](#) Mouse

[Unigene: 88901](#) Rat

**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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