



Rabbit Anti-Myosin IIIB antibody

SL18972R

Product Name:	Myosin IIIB
Chinese Name:	肌球蛋白IIIB抗体
Alias:	A430065P19Rik; Myo3b; MYO3B_HUMAN; Myosin IIIB; Myosin-IIIB; RGD1560313; RP23-337L20.2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	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.
Molecular weight:	152kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Myosin IIIB:561-660/1341
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene encodes one of the class III myosins. Myosins are ATPases, activated by actin, that move along actin filaments in the cell. This class of myosins are characterized by an amino-terminal kinase domain and shown to be present in photoreceptors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]

Function:

Probable actin-based motor with a protein kinase activity.

Subcellular Location:

Cytoplasm > cytoskeleton.

Tissue Specificity:

Expressed in retina, kidney and testis.

Similarity:

In the N-terminal section; belongs to the protein kinase superfamily.

STE Ser/Thr protein kinase family.

Contains 2 IQ domains.

Contains 1 myosin head-like domain.

Contains 1 protein kinase domain.

SWISS:

Q8WXR4

Gene ID:

140469

Database links:

[Entrez Gene: 140469](#) Human

[Entrez Gene: 329421](#) Mouse

[Omid: 610040](#) Human

[SwissProt: Q8WXR4](#) Human

[SwissProt: Q1EG27](#) Mouse

[Unigene: 671900](#) Human

[Unigene: 99648](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.