

Rabbit Anti-MYO9B/AF350 Conjugated antibody

SL19175R-AF350

Product Name	Anti-MYO9B/AF350
Chinese Name	AF350 标记的肌球蛋白 9B 抗体
Alias	CELIAC 4; Celiac disease 4; CELIAC4; MYO 9B; Myosin 9B; Myosin IX; Myosin IXB; Myosin9B; MyosinIX; MyosinIXB; MYR 5; MYR5; Unconventional myosin 9b.
Research Area	Cell biology immunology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Rabbit) ICC/IF=1:50-200,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	243kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MYO9B
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: This gene encodes a member of the myosin family of actin-based molecular motor heavy chain proteins. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). The protein has four IQ motifs located in the neck domain that bind

calmodulin, which serves as a light chain. The protein complex has a single-headed structure and exhibits processive movement on actin filaments toward the minus-end. The protein also has rho-GTPase activity. Polymorphisms in this gene are associated with celiac disease and ulcerative colitis susceptibility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Function:

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. May be involved in the remodeling of the actin cytoskeleton. Binds actin with high affinity both in the absence and presence of ATP and its mechanochemical activity is inhibited by calcium ions. Also acts as a GTPase activating protein on Rho.

Subcellular Location:

Cytoplasm; cell cortex. Cytoplasm; perinuclear region. Note=In undifferentiated cells colocalizes with F-actin in the cell periphery while in differentiated cells its localization is cytoplasmic with the highest levels in the perinuclear region.

Similarity:

Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Myosin family.

Contains 4 IQ domains.

Contains 1 myosin motor domain.

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 Ras-associating domain.

Contains 1 Rho-GAP domain.

Database links:

[Entrez Gene: 4650](#) Human

[Entrez Gene: 17925](#) Mouse

[Omim: 602129](#) Human

[SwissProt: Q13459](#) Human

[SwissProt: Q9QY06](#) Mouse

[SwissProt: Q63358](#) Rat



SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

[Unigene: 159629](#) Human

[Unigene: 33779](#) Mouse

Important Note:

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