

## ARG63993 anti-Myosin IXB antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Myosin IXB
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_004136.2; NP_001123537.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Myosin IXB
Species	Human
Immunogen	C-KNDFEPVKQSKAQ
Conjugation	Un-conjugated
Alternate Names	Unconventional myosin-9b; MYR5; CELIAC4; Unconventional myosin-IXb

### Application Instructions

Application table	Application	Dilution
	WB	2 - 6 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links [GeneID: 4650 Human](#)

[Swiss-port # Q13459 Human](#)

### 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]

### Research Area

Signaling Transduction antibody

### Calculated Mw

243 kDa

## Images

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ARG63993 anti-Myosin IXB antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG63993 anti-Myosin IXB antibody at 2 µg/ml dilution.