

## Myosin IXb Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05730
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MYO9B. AA range:304-353
<b>Mol wt</b>	243558
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Myosin IXb Antibody
<b>Synonyms</b>	MYO9B; MYR5; Unconventional myosin-IXb; Unconventional myosin-9b

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

MYO9B 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 MYO9B.

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for one year

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