

MYO9B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57427**Specification**

MYO9B Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q13459
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	243401

MYO9B Polyclonal Antibody - Additional Information**Gene ID** 4650**Other Names**

Unconventional myosin-IXb, Unconventional myosin-9b, MYO9B, MYR5

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

MYO9B Polyclonal Antibody - Protein Information**Name** MYO9B**Synonyms** MYR5**Function**

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Binds actin with high affinity both in the absence and presence of ATP and its mechanochemical activity is inhibited by calcium ions (PubMed: [9490638](http://www.uniprot.org/citations/9490638)). Also acts as a GTPase activator for RHOA (PubMed: [9490638](http://www.uniprot.org/citations/9490638), PubMed: [26529257](http://www.uniprot.org/citations/26529257)). Plays a role in the regulation of cell migration via its role as RHOA GTPase activator. This is regulated by its interaction with the SLIT2 receptor ROBO1; interaction with ROBO1 impairs interaction with RHOA and subsequent activation of RHOA GTPase activity, and thereby leads to increased levels of active, GTP-bound RHOA (PubMed: [26529257](http://www.uniprot.org/citations/26529257)).

Cellular Location

Cytoplasm, cell cortex. Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton. 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.

Tissue Location

Detected in peripheral blood leukocytes (at protein level) (PubMed:9490638). Expressed predominantly in peripheral blood leukocytes and at lower levels, in thymus, spleen, testis, prostate, ovary, brain, small intestine and lung.

MYO9B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYO9B Polyclonal Antibody - Images