10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MYL9 Rabbit Monoclonal Antibody

Catalog # ABO15718

Product Information

Application	WB, IHC, IP
Primary Accession	P24844
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-MYL9 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

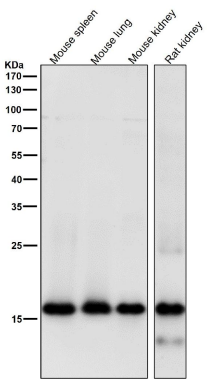
Gene ID	10398
Other Names	Myosin regulatory light polypeptide 9, 20 kDa myosin light chain, LC20, MLC-2C, Myosin RLC, Myosin regulatory light chain 2, smooth muscle isoform, Myosin regulatory light chain 9, Myosin regulatory light chain MRLC1, MYL9, MLC2, MRLC1, MYRL2
Calculated MW	19827
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 22M94
Immunogen	A synthesized peptide derived from human MYL9
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

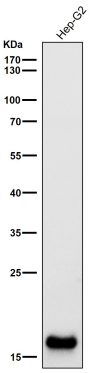
Name	MYL9 {ECO:0000303|PubMed:29453416, ECO:0000312|HGNC:HGNC:15754}
Function	Myosin regulatory subunit that plays an important role in regulation of both

	smooth muscle and nonmuscle cell contractile activity via its phosphorylation (PubMed:11942626, PubMed:2526655). Implicated in cytokinesis, receptor capping, and cell locomotion (PubMed:11942626, PubMed:2526655). In myoblasts, may regulate PIEZO1- dependent cortical actomyosin assembly involved in myotube formation (By similarity).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9CQ19}. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q9CQ19}. Note=Colocalizes with F-actin, MYH9 and PIEZO1 at the actomyosin cortex in myoblasts {ECO:0000250|UniProtKB:Q9CQ19}
Tissue Location	Smooth muscle tissues and in some, but not all, nonmuscle cells.

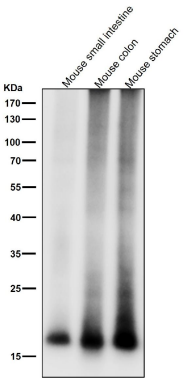
Images



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.

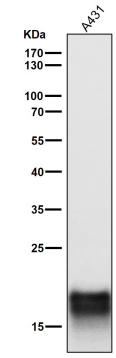


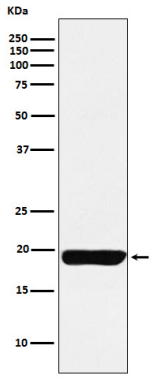
All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.

All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.





Western blot analysis of MYL9 expression in Human uterus lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.