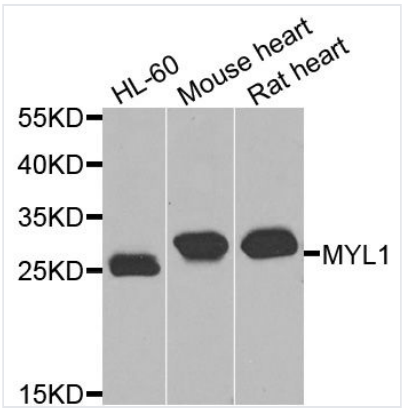
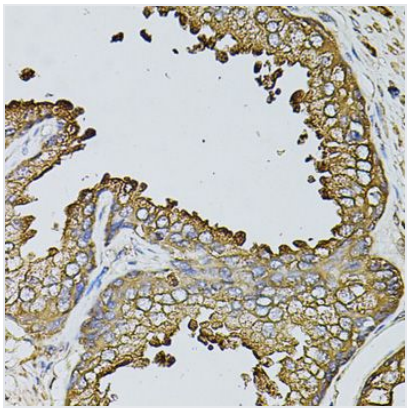
MYL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

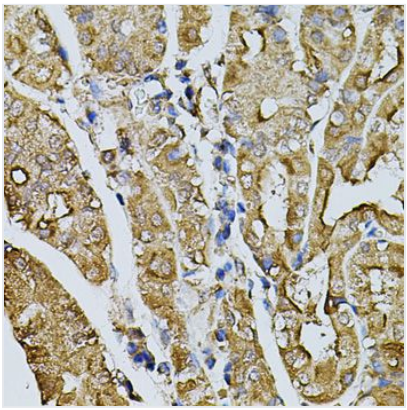
Product Name	MYL1, Polyclonal Antibody
Full Product Name	MYL1 Polyclonal Antibody
Product Gene Name	anti-MYL1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	21kDa
OMIM	160780
3D Structure	ModBase 3D Structure for P05976
Immunogen	Recombinant protein of human MYL1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MYL1 antibody	Western Blot (WB)
Application Notes for anti-MYL1 antibody	WB 1:500 - 1:2000
Related Product Information for anti-MYL1 antibody	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Two transcript variants have been identified for this gene.
Other Notes	Small volumes of anti-MYL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MYL1 purchase	MBS9127915 is an antibody targeting MYL1. Also known as MYL1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-MYL1 antibody
Western blot analysis of extracts of various cell lines, using MYL1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.



Immunohistochemistry (IHC) of anti-MYL1 antibody
Immunohistochemistry of paraffin-embedded human prostate using MYL1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-MYL1 antibody
Immunohistochemistry of paraffin-embedded human stomach using MYL1 antibody at dilution of 1:100 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MYL1. It may not necessarily be applicable to this product.

NCBI GI #	17986273
NCBI GeneID	4632
NCBI Accession #	NP_524144.1
UniProt Primary Accession #	P05976
UniProt Secondary Accession #	P06741; Q6IBD5; B2R4N6; B2R4T6
UniProt Related Accession #	P05976
GenBank Nucleotide #	NM_079420.2
NCBI Official Full Name	myosin light chain 1/3, skeletal muscle isoform isoform 1f
NCBI Official Synonym Full Names	myosin, light chain 1, alkali; skeletal, fast
NCBI Official Symbol	MYL1
NCBI Official Synonym Symbols	MLC1F; MLC3F
UniProt Protein Name	Myosin light chain 1/3, skeletal muscle isoform
UniProt Synonym Protein Names	Myosin light chain alkali 1/2; Myosin light chain A1/A2

Protein Family	Myosin
UniProt Gene Name	MYL1
UniProt Synonym Gene Names	MLC1/MLC3; MLC1F/MLC3F; Myosin light chain A1/A2
UniProt Entry Name	MYL1_HUMAN
NCBI Protein Information	myosin light chain 1/3, skeletal muscle isoform
UniProt Comments for MYL1	MYL1: Regulatory light chain of myosin. Does not bind calcium. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Contractile Chromosomal Location of Human Ortholog: 2q33-q34 Cellular Component: sarcomere; myofibril; muscle myosin complex; cytosol Molecular Function: structural constituent of muscle; calcium ion binding Biological Process: muscle contraction; cardiac muscle contraction; muscle filament sliding
Research Articles on MYL1	**1.** MRK is a novel RhoC effector that controls LPA-stimulated cell invasion at least in part by regulating myosin dynamics, ERK and p38
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