



# Anti-MYL1 (aa 1-80) polyclonal antibody (DPAB-DC1982)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	MYL1 (NP_524146, 1 a.a. ~ 80 a.a) partial recombinant protein with GST tag. The sequence is MSFSADQIAEFKEAFLFDRTGDSKITLSQVGDVLRALGTNPTNAEVRKVLGNPSNEELN AKKIEFEQFLPMMQAISNNK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [MYL1 myosin, light chain 1, alkali; skeletal, fast \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	MYL1
<b>Synonyms</b>	MYL1; myosin, light chain 1, alkali; skeletal, fast; MLC1F; MLC3F; myosin light chain 1/3, skeletal muscle isoform; MLC1/MLC3; MLC1F/MLC3F; A1 catalytic; A2 catalytic; myosin light chain A1/A2; myosin light chain alkali 1/2; myosin, light polypeptide 1, alkali; skeletal, fast;
<b>Entrez Gene ID</b>	<a href="#">4632</a>
<b>Protein Refseq</b>	<a href="#">NP_524144</a>
<b>UniProt ID</b>	<a href="#">P05976</a>
<b>Chromosome Location</b>	2q33-q34
<b>Pathway</b>	Endothelin; Muscle contraction; Striated Muscle Contraction;
<b>Function</b>	calcium ion binding; structural constituent of muscle;