



Anti-MYL6 (aa 1-100) polyclonal antibody (DPAB-DC1983)

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

PRODUCT INFORMATION

Antigen Description	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 that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene.
Immunogen	MYL6 (NP_066299, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MCDFTEDQTAEFKEAFQLFDRTGDGKILYSQCGDVMRALGQNPTNAEVLKVLGNPKSDEM NVKVLDFEHFLPMLQTVAKNKDQGTIEDYVEGLRVFDKEG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MYL6 myosin, light chain 6, alkali, smooth muscle and non-muscle [Homo sapiens (human)]
Official Symbol	MYL6
Synonyms	MYL6; myosin, light chain 6, alkali, smooth muscle and non-muscle; LC17; ESMLC; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM; LC17-GI; LC17-NM; myosin light polypeptide 6; myosin light chain A3; 17 kDa myosin light chain; myosin light chain alkali 3; myosin, light polypeptide 6, alkali, smooth muscle and non-muscle;
Entrez Gene ID	4637
Protein Refseq	NP_066299
UniProt ID	P60660
Chromosome Location	12q13.2
Pathway	Axon guidance; Focal Adhesion; Oxytocin signaling pathway; Sema4D in semaphorin signaling
Function	actin-dependent ATPase activity; calcium ion binding; motor activity; protein binding