



Anti-MYH6 polyclonal antibody (DPAB-DC1979)

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

PRODUCT INFORMATION

Antigen Description	Cardiac muscle myosin is a hexamer consisting of two heavy chain subunits, two light chain subunits, and two regulatory subunits. This gene encodes the alpha heavy chain subunit of cardiac myosin. The gene is located ~4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3.
Immunogen	Recombinant protein corresponding to amino acids of human MYH6. The sequence is QVEEDKVNLSLSKSKVKLEQQVDDLEGSLEQEKKVRMDLERAKRKLEGDLKLTQESIMDLENDKLQLEEKLLKKKEFDINQQNSKIEDEQVLALQLQKKLKENQARIEEEEELEAERTARAKVEKLRSDLSRELEEISERLEEA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	IHC-P, IF,
Format	Liquid
Size	100 µl
Buffer	In PBS, pH 7.5 (40% glycerol, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MYH6 myosin, heavy chain 6, cardiac muscle, alpha [Homo sapiens (human)]
Official Symbol	MYH6
Synonyms	MYH6; myosin, heavy chain 6, cardiac muscle, alpha; ASD3; MYHC; SSS3; CMH14; MYHCA; CMD1EE; alpha-MHC; myosin-6; myHC-alpha; myosin heavy chain 6; myosin heavy chain, cardiac muscle alpha isoform; myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1);
Entrez Gene ID	4624
Protein Refseq	NP_002462
UniProt ID	P13533
Chromosome Location	14q12
Pathway	Adrenergic signaling in cardiomyocytes; Cardiac muscle contraction; Hypertrophic cardiomyopathy (HCM); Muscle contraction
Function	ATP binding; ATPase activity; actin binding; actin-dependent ATPase activity