



## Anti-MYH6 polyclonal antibody (DPAB-DC1979)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids of human MYH6. The sequence is QVEEDKVNSLSKSKVKLEQQVDDLEGSLEQEKKVRMDLERAKRLEGDLKLTQESIMDLE NDKLQLEEKLKKKEFDINQQNSKIEDEQVLALQLQKKLKENQARIEELEEEAERTARA KVEKLRSDSLRELEEEISERLEEA
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, IF,
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	In PBS, pH 7.5 (40% glycerol, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">MYH6 myosin, heavy chain 6, cardiac muscle, alpha [ Homo sapiens (human) ]</a>
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	<a href="#">4624</a>
Protein Refseq	<a href="#">NP_002462</a>
UniProt ID	<a href="#">P13533</a>
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