Immunotag™ MYL2 Antibody

Antibody Specification

Catalog No.	ITA7862
Product Description	Immunotag™ MYL2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MYL2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MYL2
Specificity	MYL2 Antibody detects endogenous levels of total MYL2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MYL2
Accession No.	P10916
Alternate Names	Cardiac myosin light chain-2; Cardiac ventricular myosin light chain 2; CMH10; MLC 2v; MLC-2; MLC-2v; MLC2; MLRV_HUMAN; MYL 2; MYL2; Myosin light chain 2 regulatory cardiac slow; Myosin light polypeptide 2 regulatory cardiac slow; Myosin regulatory light chain 2; Myosin regulatory light chain 2 ventricular/cardiac muscle isoform; Regulatory light chain of myosin; RLC of myosin; Slow cardiac myosin regulatory light chain 2; ventricular/cardiac muscle isoform;

Antibody Specification

Description	Contractile protein that plays a role in heart development and function (By similarity). Following phosphorylation, plays a role in cross-bridge cycling kinetics and cardiac muscle contraction by increasing myosin lever arm stiffness and promoting myosin head diffusion; as a consequence of the increase in maximum contraction force and calcium sensitivity of contraction force. These events altogether slow down myosin kinetics and prolong duty cycle resulting in accumulated myosins being cooperatively recruited to actin binding sites to sustain thin filament activation as a means to fine-tune myofilament calcium sensitivity to force (By similarity). During cardiogenesis plays an early role in cardiac contractility by promoting cardiac myofibril assembly (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	19 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.