

CAB7564

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## Product Information

<b>Product SKU:</b>	CAB7564	<b>Gene ID:</b>	4625	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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## Additional Information

<b>Observed MW:</b>	250kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	223kDa	<b>Isotype:</b>	IgG

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## Immunogen Information

<b>Background:</b>	Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing distal myopathy.
<b>Recommended Dilution:</b>	WB,1:100 - 1:500 IF/ICC,1:50 - 1:200
<b>Synonyms:</b>	CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB; CMYP7A; CMYP7B; MYH7/ $\beta$ -MHC
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence within amino acids 1700-1800 of human MYH7/ $\beta$ -MHC (NP_000248.2).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.