

## Product datasheet for **TA389163**

### MYH7B Rabbit Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC, WB
Recommended Dilution:	<b>WB:</b> 1:1000 <b>ICC:</b> 1:300
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the hinge region from mouse MYH7B/MHC14. This sequence is highly conserved in rat and human MYH7B, and has less than 50% identity with other MYH family members.
Specificity:	The antibody detects a 215 kDa* protein corresponding to the apparent molecular mass of MYH7B on SDS-PAGE immunoblots of mouse extraocular muscle and brain.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	215
Database Link:	<a href="#">A7E2Y1</a>



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**Background:**

Myosin is a highly conserved, ubiquitous protein found in all eukaryotic cells, where it provides the motor function for diverse movements such as cytokinesis, phagocytosis, and muscle contraction. All myosins contain an amino-terminal motor/head domain and a carboxy-terminal tail domain. The class II myosins, consist of the conventional two-headed myosins that form filaments and are composed of two myosin heavy chain (MYH) subunits and four myosin light chain subunits. There are 15 MYH genes identified as Class II myosins and these include six skeletal muscle MYHs (MYH1, MYH2, MYH3, MYH4, MYH8, MYH13), three cardiac MYHs (MYH6, MYH7, MYH7B) and two non-muscle MYHs (MYH9, MYH10), as well as a smooth muscle MYH (MYH11).

**Note:**

Antigen affinity purified rabbit serum.