

Anti-Myosin 7B/MHC14 (Hinge region) Antibody

Catalog # AN1848

Product Information

Application	WB, ICC
Primary Accession	A2AQP0
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	221497

Additional Information

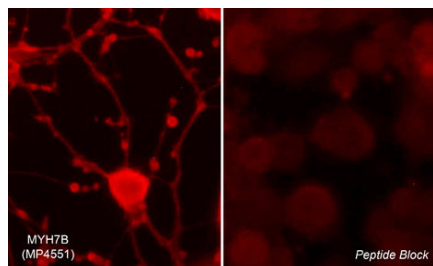
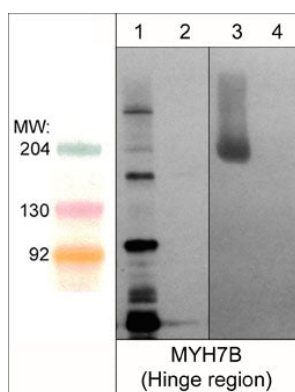
Gene ID	668940
Other Names	Myh7b, MYH14, Myosin cardiac muscle
Dilution	WB~~1:1000 ICC~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Myosin 7B/MHC14 (Hinge region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

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).

Images

Western blot analysis MYH7B in mouse brain (lane 1 & 2) and mouse extraocular muscle (lane 3 & 4). The blot was probed with rabbit polyclonal anti-MYH7B/MHC14 (Hinge region) at 1:500 in absence (lanes 1 & 3) and presence of MYH7B blocking peptide (MX4555; lanes 2 & 4).



Immunocytochemical labeling of MYH7B in rat PC12 cells differentiated with NGF. The cells were probed with MYH7B (Hinge region) rabbit polyclonal antibody (AN1848) in the absence (left) or presence (right) of blocking peptide (MX4555). The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.