10320 Camino Santa Fe, Suite G
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Anti-Myosin 7B/MHC14 (Hinge region) Antibody
Catalog # AN1848

Specification

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

Application	**WB**
Primary Accession	A2AQP0
Reactivity	**Bovine**
Host	**Rabbit**
Clonality	**Rabbit Polyclonal**
Isotype	**IgG**
Calculated MW	**221497**

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

Gene ID	**668940**

Other Names
Myh7b, MYH14, Myosin cardiac muscle

Dilution
WB~~1:1000

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

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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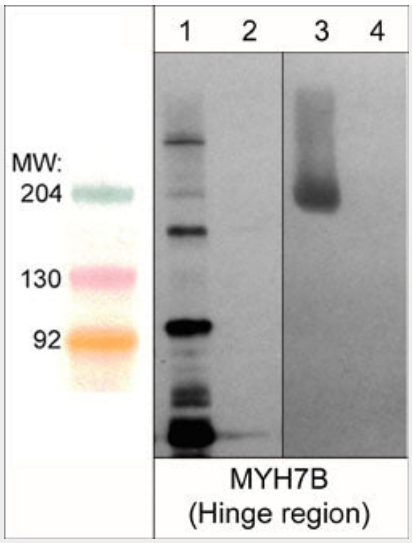
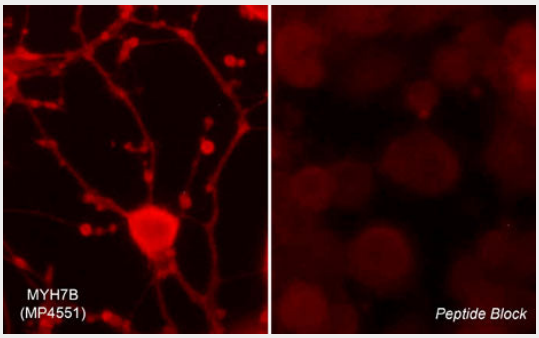


Western blot analysis MYH7B in mouse brain (lane 1 & 2) and mouse extraocular muscle (lane 3 & 4). The blot was probed with rabbit polyclonal anti-MYH7B/MHC14 (Hinge region) at 1:500 in absence (lanes 1 & 3) and presence of MYH7B blocking peptide (MX4555; lanes 2 & 4).



Immunocytochemical labeling of MYH7B in rat PC12 cells differentiated with NGF. The cells were probed with MYH7B (Hinge region) rabbit polyclonal antibody (MP4551) in the absence (left) or presence (right) of blocking peptide (MX4555). The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.

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