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MYO1B Antibody (internal region)

Peptide-affinity purified goat antibody

Catalog # AF3403a

Specification

MYO1B Antibody (internal region) - Product Information

Application	**IHC, WB**
Primary Accession	O43795
Other Accession	NP_001123630.1, NP_036355.2, 4430, 17912 (mouse), 117057 (rat)
Reactivity	**Human, Mouse**
Predicted	**Rat, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**131985**

MYO1B Antibody (internal region) - Additional Information

Gene ID 4430

Other Names
Unconventional myosin-Ib, MYH-1c, Myosin I alpha, MMI-alpha, MMIa, MYO1B

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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
MYO1B Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MYO1B Antibody (internal region) - Protein Information

Name MYO1B

Function
Motor protein that may participate in process critical to neuronal development and function such as cell migration, neurite outgrowth and vesicular transport.

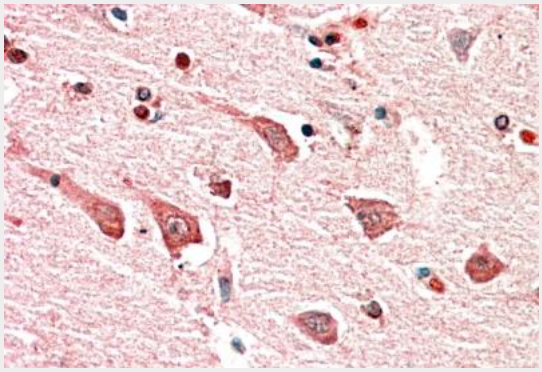
MYO1B Antibody (internal region) - Protocols

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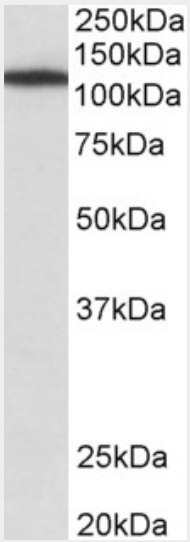
Provided below are standard protocols that you may find useful for product applications.

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

MYO1B Antibody (internal region) - Images



AF3403a (5 µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF3403a (1 µg/ml) staining of NIH3T3 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MYO1B Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_001123630.1; NP_036355.2). Reported variants represent identical protein: NP_001123630.1, NP_001155291.1.

MYO1B Antibody (internal region) - References

Myosin I can act as a molecular force sensor. Laakso JM, Lewis JH, Shuman H, Ostap EM, Science

(New York, N.Y.) 2008 Jul 321 (5885): 133-6. PMID: 18599791