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Research Use Only. Not for diagnostic or therapeutic use.

EB10549 - Goat Anti-MYO1B Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MYO1B, myosin IB, myr1, MMI-alpha, MMIa, MYH-1c, MYO1B variant

protein, OTTHUMP00000165861, myosin I alpha, myosin-Ib

Official Symbol: MYO1B

Accession Number(s): NP_001123630.1; NP_036355.2

Human GeneID(s): 4430

Non-Human GenelD(s): 17912 (mouse), 117057 (rat)

Important Comments: 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.

Immunogen

Peptide with sequence C-RTVEAKQEKVSTT, from the internal region of the protein sequence according to NP_001123630.1; NP_036355.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

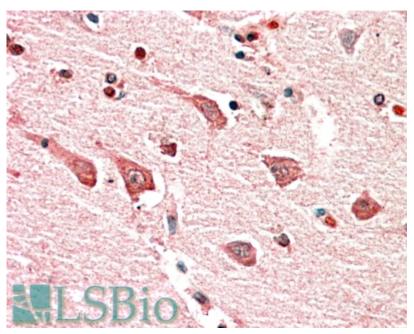
Western blot: Approx 120kDa band observed in lysates of cell line NIH3T3 (calculated MW of 125kDa according to Human NP_036355.2 and 128kDa according to Mouse NP_034993.2). Recommended concentration: 1-3μg/ml.

IHC: In paraffin embedded Human Cerebral Cortex shows cytoplasm staining in the neuronal bodies. Recommended concentration, 5-10µg/ml.

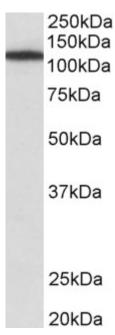
Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



 $EB10549~(5\mu g/ml)~staining~of~paraffin~embedded~Human~Cerebral~Cortex.~Steamed~antigen~retrieval~with~citrate~buffer~pH~6,~AP-staining.$



EB10549 (1 μ g/ml) staining of NIH3T3 lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemilluminescence.