Goat anti-MYO1B Antibody

Item Number	dAP-2515
Target Molecule	Principle Name: MYO1B; Official Symbol: MYO1B; All Names and Symbols: MYO1B; myosin IB; myr1; MMI-alpha; MMIa; MYH-1c; MYO1B variant protein; OTTHUMP00000165861; myosin I alpha; myosin-I alpha; myosin-Ib; Accession Number (s): NP_001123630.1; NP_036355.2; Human Gene ID(s): 4430; Non-Human GeneID(s): 17912 (mouse) 117057 (rat)
Immunogen	RTVEAKQEKVSTT, is from internal region 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.
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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	Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows cytoplasm staining in the neuronal bodies. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Laakso JM, Lewis JH, Shuman H, Ostap EM, Myosin I can act as a molecular force sensor. Science (New York, N.Y.) 2008 Jul 321 (5885): 133-6..PMID: 18599791->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only