

Datasheet for ABIN7600775

anti-Myosin IB antibody (AA 231-1125)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Myosin IB (MYO1B)
Binding Specificity:	AA 231-1125
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myosin IB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MYO1B Antibody Picoband®
Immunogen:	E.coli-derived human MYO1B recombinant protein (Position: R231-R1125).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MYO1B Antibody Picoband® (ABIN7600775). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Myosin IB (MYO1B)
Alternative Name:	MYO1B (MYO1B Products)
Background:	<p>Synonyms: Aflatoxin B1 aldehyde reductase member 2, AFB1 aldehyde reductase 1, AFB1-AR 1, Aldoketoreductase 7, Succinic semialdehyde reductase, SSA reductase, AKR7A2, AFAR, AFAR1, AKR7</p> <p>Tissue Specificity: Expressed in basement membranes of lung and kidney. Muscle- and neuron-specific isoforms are found. Isoforms (y+) with the 4 AA insert and (z+8) isoforms with the 8 AA insert are all neuron-specific. Isoforms (z+11) are found in both neuronal and non-neuronal tissues.</p> <p>Background: Myosin-Ib is a protein that in humans is encoded by the MYO1B gene. Enables ATP binding activity, actin filament binding activity, and microfilament motor activity. Involved in actin filament organization and post-Golgi vesicle-mediated transport. Located in several cellular components, including actin filament, endosome, and perinuclear region of cytoplasm. Colocalizes with trans-Golgi network membrane.</p>
Molecular Weight:	124 kDa
Gene ID:	4430
UniProt:	O43795

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Bement, W. M., Hasson, T., Wirth, J. A., Cheney, R. E., Mooseker, M. S. Identification and overlapping expression of multiple unconventional myosin genes in vertebrate cell types. Proc. Nat. Acad. Sci. 91: 6549-6553, 1994. Note: Erratum: Proc. Nat. Acad. Sci. 91: 11767 only, 1994.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.