Datasheet for ABIN7603186

anti-MYH10 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	MYH10
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYH10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-non-muscle Myosin IIB/MYH10 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human non-muscle Myosin IIB/MYH10, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-non-muscle Myosin IIB/MYH10 Antibody Picoband® (ABIN7603186). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	MYH10
Alternative Name:	MYH10 (MYH10 Products)
Background:	Synonyms: T-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e, Cd3e Tissue Specificity: Highly expressed in epithelial tissues, particularly those of the gastrointestinal and respiratory tracts, such as large intestine and trachea, followed by kidney, small intestine, appendix and stomach. Background: This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin, it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene have been associated with May-Hegglin anomaly and developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	229 kDa
Gene ID:	4628
UniProt:	P35580

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 4 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human, Mouse, Rat 1. Ma, X., Adelstein, R. S. A point mutation in Myh10 causes major defects in heart development and body wall closure. Circ. Cardiovasc. Genet. 7: 257-265, 2014. Note: Erratum: Circ. Cardiovasc. Genet. 7: 570 only, 2014. 2. Tuzovic, L., Yu, L., Zeng, W., Li, X., Lu, H., Lu, H.-M., Gonzalez, K., Chung, W. K. A human de novo mutation in MYH10 phenocopies the loss of function mutation in mice. Rare Dis. 1: e26144, 2013. Note: Electronic Article.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.

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