Datasheet for ABIN7601660

anti-MYH16 antibody (AA 405-1073)

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Overview

Quantity:	100 µg
Target:	MYH16
Binding Specificity:	AA 405-1073
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYH16 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-MYH16 Antibody Picoband®
Immunogen:	E.coli-derived human MYH16 recombinant protein (Position: K405-A1073).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MYH16 Antibody Picoband® (ABIN7601660). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. 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.

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Target Details

Target:	MYH16
Alternative Name:	MYH16 (MYH16 Products)
Background:	Synonyms: Kelch repeat and BTB domain-containing protein 2, BTB and kelch domain-containing protein 1, KBTBD2, BKLHD1, KIAA1489 Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon. Background: The MYH16 gene, encoding a sarcomeric myosin heavy chain expressed in nonhuman primate masticatory muscles, is inactivated in humans. Stedman et al. (2004) hypothesized that the decrement in masticatory muscle size caused by the inactivation of MYH16 removed an evolutionary constraint on encephalization in early man.
Molecular Weight:	128 kDa
Gene ID:	84176
UniProt:	Q9H6N6

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Desjardins, P. R., Burkman, J. M., Shrager, J. B., Allmond, L. A., Stedman, H. H. Evolutionary implications of three novel members of the human sarcomeric myosin heavy chain gene family. Molec. Biol. Evol. 19: 375-393, 2002. 2. Stedman, H. H., Kozyak, B. W., Nelson, A., Thesier, D. M., Su, L. T., Low, D. W., Bridges, C. R., Shrager, J. B., Minugh-Purvis, N., Mitchell, M. A. Myosin gene mutation correlates with anatomical changes in the human lineage. Nature 428: 415-418, 2004.
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 Na2HPO4.

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.

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