

Datasheet for ABIN571223

anti-MYO5A antibody (Internal Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	MYO5A
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This MYO5A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	MYO5A
Immunogen:	C-ETKQLELDLN
Sequence:	ETKQLELDLN
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_000250.3, NP_001135967.1).
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

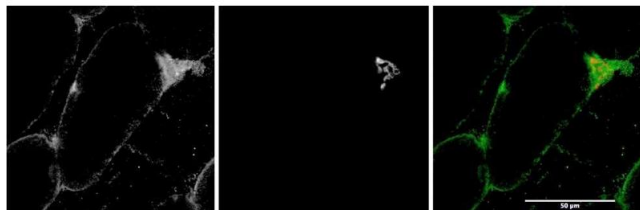
Target:	MYO5A
Alternative Name:	MYO5A (MYO5A Products)
Background:	MYO5A, myosin VA (heavy chain 12, myoxin), GS1, MYH12, MYO5, MYR12, dilute, myosin V, myosin VA, myosin, heavy polypeptide kinase, myoxin
Gene ID:	4644, 17918, 25017
NCBI Accession:	NP_000250 , NP_001135967
Pathways:	Hormone Transport , Peptide Hormone Metabolism

Application Details

Application Notes:	Western Blot: Approx 200 kDa band observed in lysates of cell line Jurkat (calculated MW of 215 kDa according to NP_000250.3). Recommended concentration: 1-3 µg/mL. Peptide ELISA: antibody detection limit dilution 1:8000.
Comment:	Immunofluorescence: Transverse sections of Mouse Skeletal Muscle shows staining of the fibre membrane and neuromuscular junction. The observed pattern corresponds to earlier findings in literature with different antibodies (Röder et al, P
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunofluorescence

Image 1. ABIN571223 (1µg/ml) staining of Mouse Skeletal Muscle (first panel, and in green in third panel). Alpha-bungaratoxin staining in middle panel and in red in third panel. Detected by Fluorescence. Data kindly provided by Dr. Rüdiger Rudolf, Karlsruhe, Germany



Western Blotting

Image 2. ABIN571223 (1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.