

Datasheet for ABIN358975
anti-Myosin IC antibody (C-Term)

2 Images

[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Myosin IC (MYO1C)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myosin IC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human MYO1C.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Myosin 1C (MYO1C).
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	Myosin IC (MYO1C)
Alternative Name:	Myosin-Ic (MYO1C Products)

Target Details

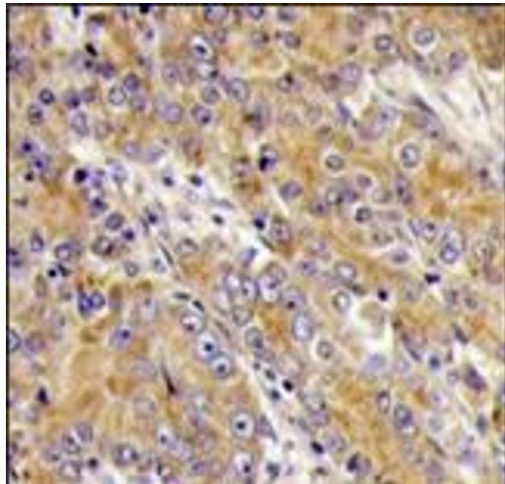
Background:	MYO1C is a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Synonyms: MMI-beta, MMIIb, MYO1C, Myosin I beta
Gene ID:	4641, 9606
UniProt:	O00159
Pathways:	Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

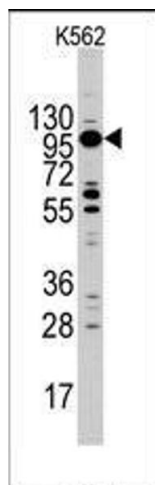
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with MYO1C antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of MYO1C Antibody (C-term) in K562 cell line lysates (35ug/lane). MYO1C (arrow) was detected using the purified Pab (1:60 dilution).