antibodies

# Datasheet for ABIN7174953 anti-MYO5A antibody (AA 1087-1220)

4 Images



### Overview

Quantity:	100 µg
Target:	MY05A
Binding Specificity:	AA 1087-1220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MY05A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

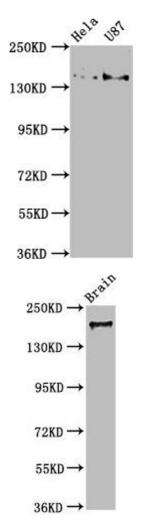
Immunogen:	Recombinant Human Unconventional myosin-Va protein (1087-1220AA)
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	MYO5A
Alternative Name:	MY05A (MY05A Products)
Background:	Background: Processive actin-based motor that can move in large steps approximating the 36-
	nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the

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	transport of vesicles to the plasma membrane. May also be required for some polarization
	process involved in dendrite formation.
	Aliases: non-muscle antibody, Dilute myosin heavy chain antibody, GS1 antibody, MYH12
	antibody, MYO5 antibody, Myo5a antibody, MYO5A_HUMAN antibody, Myosin heavy chain 12
	antibody, Myosin heavy polypeptide kinase antibody, Myosin V antibody, Myosin VA (heavy
	polypeptide 12 myoxin) antibody, Myosin VA (heavy polypeptide 12 myoxin) antibody, Myosin-
	12 antibody, Myoxin antibody, MYR12 antibody, Unconventional myosin-Va antibody
UniProt:	Q9Y4I1
Pathways:	Hormone Transport, Peptide Hormone Metabolism
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

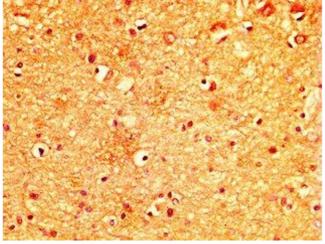


### Western Blotting

**Image 1.** Western Blot Positive WB detected in: Hela whole cell lysate, U87 whole cell lysate All lanes: MYO5A antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 216, 213, 219 kDa Observed band size: 216 kDa

### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse brain tissue All lanes: MYO5A antibody at 7.3  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 216, 213, 219 kDa Observed band size: 216 kDa



### Immunohistochemistry

**Image 3.** IHC image of ABIN7174953 diluted at 1:300 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the product details page for more images. Overall 4 images are available for ABIN7174953.

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