

**Anti-MYO5A Antibody**  
**Catalog # AP53967****Specification**

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**Anti-MYO5A Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9Y4I1</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	215405

**Anti-MYO5A Antibody - Additional Information****Gene ID** 4644**Other Names**

MYH12; Unconventional myosin-Va; Dilute myosin heavy chain non-muscle; Myosin heavy chain 12; Myosin-12; Myoxin

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MYO5A. The exact sequence is proprietary.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-MYO5A Antibody - Protein Information****Name** MYO5A**Synonyms** MYH12**Function**

Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Can hydrolyze ATP in the presence of actin, which is essential for its function as a motor protein (PubMed:<a href="http://www.uniprot.org/citations/10448864" target="\_blank">10448864</a>). Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane (By similarity). May also be required for some polarization process involved in dendrite formation (By similarity).

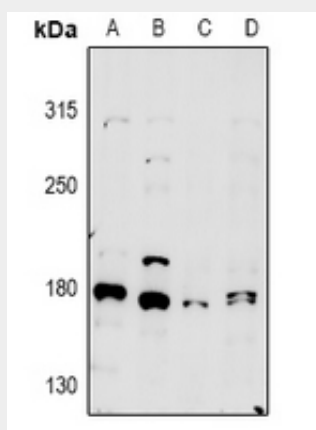
**Tissue Location**

Detected in melanocytes.

**Anti-MYO5A Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MYO5A Antibody - Images**

Western blot analysis of MYO5A expression in H9C2 (A), AML12 (B), A2780 (C), HepG2 (D) whole cell lysates.

**Anti-MYO5A Antibody - Background**

Rabbit polyclonal antibody to MYO5A