

**DATASHEET**

**MYO5A Rabbit Polyclonal Antibody**

CAT. NO. APA10763

**KEY FEATURES**

Target	MYO5A	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

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 . Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane . May also be required for some polarization process involved in dendrite formation .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to MYO5A
Specificity	Recognizes endogenous levels of MYO5A protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MYO5A. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 215 kD; Observed: 185 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	MYH12; Unconventional myosin-Va; Dilute myosin heavy chain non-muscle; Myosin heavy chain 12; Myosin-12; Myoxin
Gene Symbol	MYO5A
Entrez Gene	4644(Human); 17918(Mouse); 25017(Rat)
SwissProt	Q9Y4I1(Human); Q99104(Mouse); Q9QYF3(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

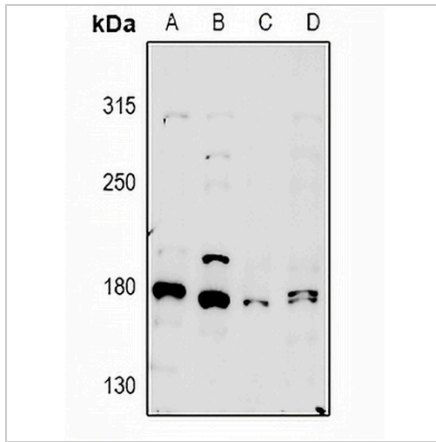
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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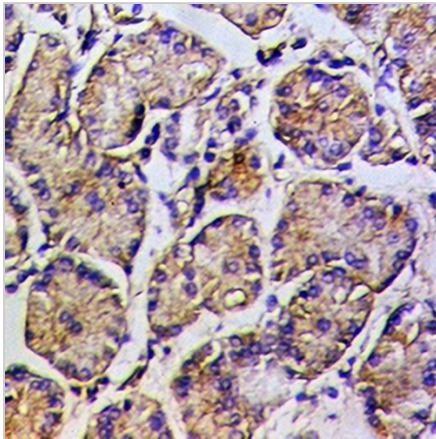
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**DATA**



Western blot analysis of MYO5A expression in H9C2 (A), AML12 (B), A2780 (C), HepG2 (D) whole cell lysates. (Predicted band size: 215 kD; Observed band size: 185 kD)



Immunohistochemical analysis of MYO5A staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.