

Anti-MYO5A Antibody

Catalog # AP53967

Product Information

Application	WB, IHC
Primary Accession	Q9Y4I1
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	215405

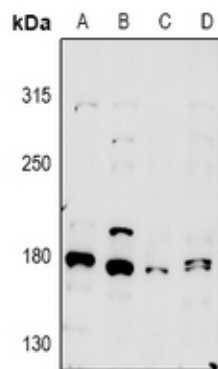
Additional Information

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 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

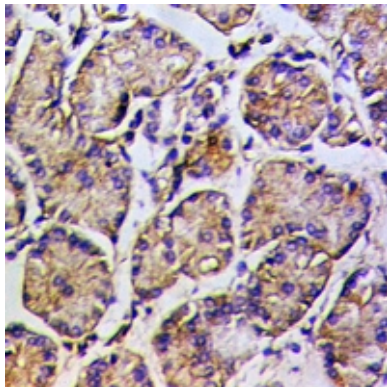
Protein Information

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: 10448864). 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.

Images



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.

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