

**DATASHEET**

**MYO5B Rabbit Polyclonal Antibody**

CAT. NO. APA14805

**KEY FEATURES**

Target	MYO5B	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	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**

May be involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation. Required in a complex with RAB11A and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Together with RAB11A participates in CFTR trafficking to the plasma membrane and TF (transferrin) recycling in nonpolarized cells. Together with RAB11A and RAB8A participates in epithelial cell polarization. Together with RAB25 regulates transcytosis. Required for proper localization of bile salt export pump ABCB11 at the apical/canalicular plasma membrane of hepatocytes recycling in nonpolarized cells. Together with RAB11A and RAB8A participates in epithelial cell polarization.

**APPLICATION**

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

WB	1:500 - 1:2000
----	----------------

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

**PRODUCT OVERVIEW**

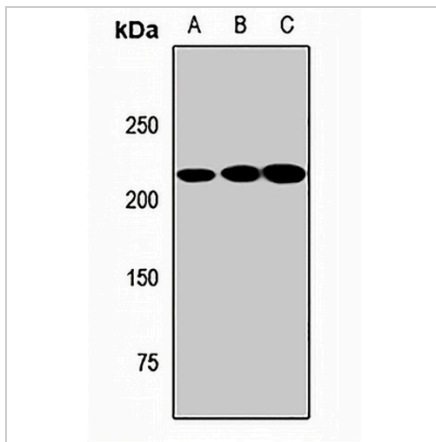
Description	Rabbit polyclonal antibody to MYO5B
Specificity	Recognizes endogenous levels of MYO5B protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MYO5B
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 47; Observed: 213 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	KIAA1119; Unconventional myosin-Vb
Gene Symbol	MYO5B
Entrez Gene	4645(Human); 25132(Rat)
SwissProt	Q9ULV0(Human); P21271(Mouse); P70569(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.

**DATASHEET****MYO5B Rabbit Polyclonal Antibody**

CAT. NO. APA14805

**DATA**

Western blot analysis of MYO5B expression in SKOV3 (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 47; 111; 213 kD; Observed band size: 213 kD)

**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.