

DATASHEET

Myosin 10 Rabbit Polyclonal Antibody

CAT. NO. APA14049

KEY FEATURES

Target	Myosin 10	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

Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. During cell spreading, plays an important role in cytoskeleton reorganization, focal contacts formation (in the central part but not the margins of spreading cells), and lamellipodial extension; this function is mechanically antagonized by MYH9.

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

PRODUCT OVERVIEW

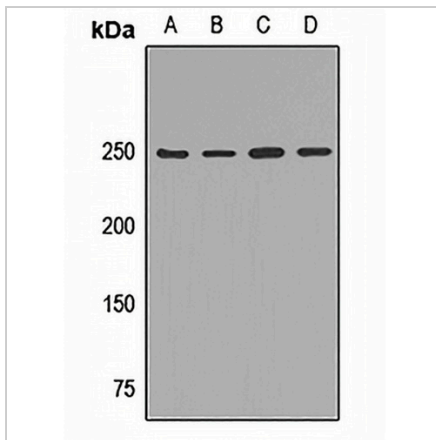
Description	Rabbit polyclonal antibody to Myosin 10
Specificity	Recognizes endogenous levels of Myosin 10 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Myosin 10
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 228; Observed: 250 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	Myosin-10; Cellular myosin heavy chain, type B; Myosin heavy chain 10; Myosin heavy chain, non-muscle IIb; Non-muscle myosin heavy chain B; NMMHC-B; Non-muscle myosin heavy chain IIb; NMMHC II-b; NMMHC-IIB
Gene Symbol	MYH10
Entrez Gene	4628(Human); 77579(Mouse); 79433(Rat)
SwissProt	P35580(Human); Q61879(Mouse); Q9JLT0(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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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DATA

Western blot analysis of Myosin 10 expression in HT29 (A), NIH3T3 (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 228; 230; 231; 232 kD; Observed band size: 250 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.