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Myosin-10 Rabbit pAb

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Catalog # AP54319

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P35580
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	228999
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Myosin-10
Epitope Specificity	1651-1796/1796
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell projection, lamellipodium. Note=Colocalizes with MCC at the leading edge of migrating cells.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	4628
Other 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, MYH10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

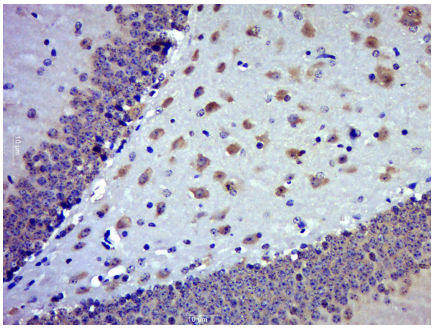
Name	MYH10
Function	Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. During cell

	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.
Cellular Location	Cell projection, lamellipodium Note=Colocalizes with MCC at the leading edge of migrating cells
Tissue Location	Isoform 1 is expressed in cerebellum and spinal chord. Isoform 2 is expressed in cerebrum and retina. Isoform 3 is expressed in the cerebrum and to a much lower extent in cerebellum

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Myosin-10) Polyclonal Antibody, Unconjugated (AP54319) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.