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MYH14 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20565a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7Z406
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47185
Calculated MW	227871

Additional Information

Gene ID	79784
Other Names	Myosin-14, Myosin heavy chain 14, Myosin heavy chain, non-muscle IIc, Non-muscle myosin heavy chain IIc, NMHC II-C, MYH14, KIAA2034
Target/Specificity	This MYH14 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 654-668 amino acids from the Central region of human MYH14.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MYH14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYH14
Synonyms	KIAA2034
Function	Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping.

Tissue Location	High levels of expression are found in brain (highest in corpus callosum), heart, kidney, liver, lung, small intestine, colon and skeletal muscle. Expression is low in organs composed mainly of smooth muscle, such as aorta, uterus and urinary bladder. No detectable expression is found in thymus, spleen, placenta and lymphocytes.

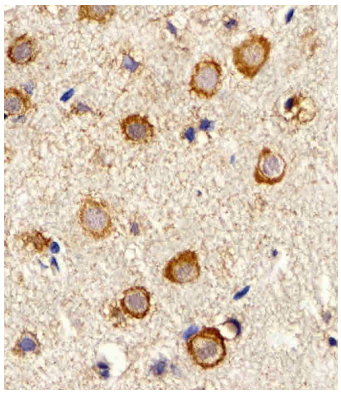
Background

Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping (By similarity).

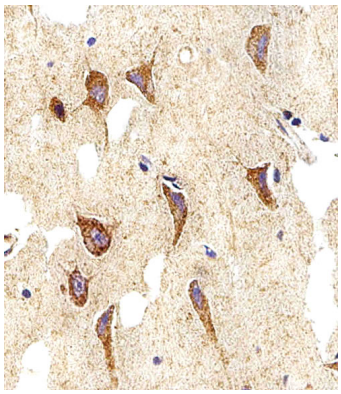
References

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Nagase T.,et al.Submitted (JAN-2007) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).
Bienvenut W.V.,et al.Submitted (NOV-2006) to UniProtKB.
Jana S.S.,et al.J. Biol. Chem. 284:11563-11571(2009).

Images

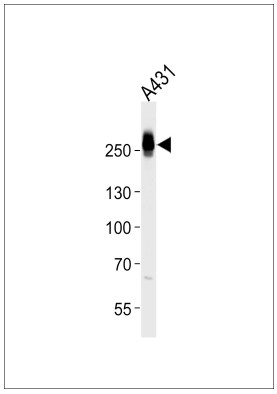


Immunohistochemical analysis of paraffin-embedded M.brain section using MYH14 Antibody (Center)(Cat#AP20565a). AP20565a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H.brain section using MYH14 Antibody (Center)(Cat#AP20565a). AP20565a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Western blot analysis of lysate from A431 cell line, using MYH14 Antibody (Center)(Cat. #AP20565a). AP20565a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



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