10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MYO19 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11165c

Product Information

Application	WB, FC, E
Primary Accession	Q96H55
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28892
Calculated MW	109135
Antigen Region	554-582

Additional Information

Gene ID	80179
Other Names	Unconventional myosin-XIX, Myosin head domain-containing protein 1, MYO19, MYOHD1
Target/Specificity	This MYO19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 554-582 amino acids from the Central region of human MYO19.
Dilution	WB~~1:1000 FC~~1:10~50 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	MYO19 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYO19 {ECO:0000303|PubMed:19932026, ECO:0000312|HGNC:HGNC:26234}
Function	Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed:19932026, PubMed:23568824,

	PubMed:25447992). Motor protein that moves towards the plus-end of actin filaments (By similarity). Required for mitochondrial inheritance during mitosis (PubMed:25447992). May be involved in mitochondrial transport or positioning (PubMed:23568824).
Cellular Location	Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton
Tissue Location	Widely expressed in multiple tissues and cell lines.

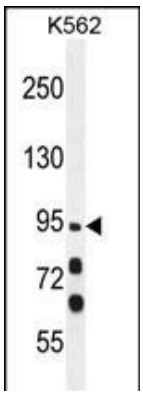
Background

Probable S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine at position 54 (M-5-U54) in all tRNA. May also have a role in tRNA stabilization or maturation (By similarity).

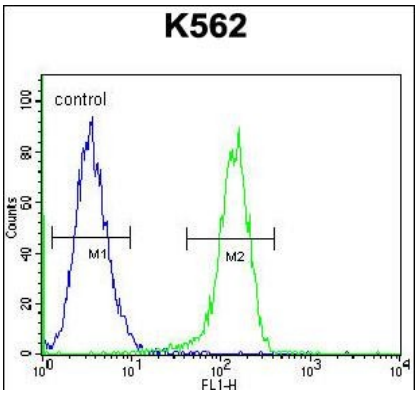
References

Quintero, O.A., et al. Curr. Biol. 19(23):2008-2013(2009)
Odronitz, F., et al. Genome Biol. 8 (9), R196 (2007) :

Images



MYO19 Antibody (Center) (Cat. #AP11165c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MYO19 antibody detected the MYO19 protein (arrow).



MYO19 Antibody (Center) (Cat. #AP11165c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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