

MYO19 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11165c

Specification

MYO19 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	O96H55
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	109135
Antigen Region	554-582

MYO19 Antibody (Center) - 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

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.

MYO19 Antibody (Center) - 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

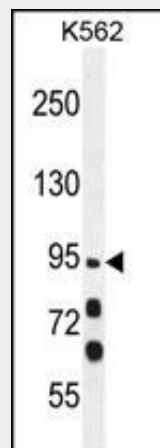
Widely expressed in multiple tissues and cell lines.

MYO19 Antibody (Center) - Protocols

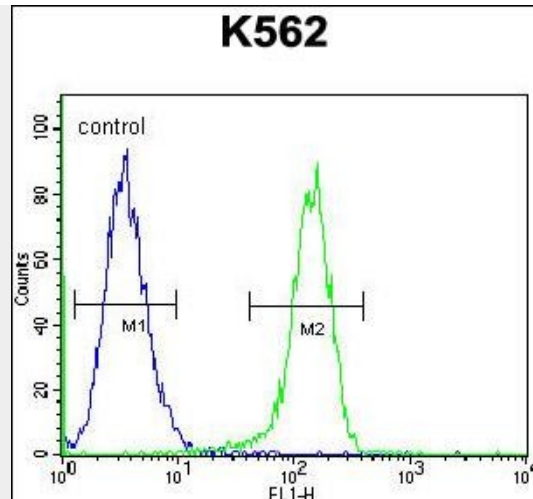
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYO19 Antibody (Center) - 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.

MYO19 Antibody (Center) - 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).

MYO19 Antibody (Center) - References

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