

Product Name: MYO19 (4J5) Rabbit Monoclonal Antibody
Catalog #: AMRe14320

Summary

Production Name	MYO19 (4J5) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	MYO19 {ECO:0000303 PubMed:19932026, ECO:0000312 HGNC:HGNC:26234}
Alternative Names	myo19; Myohd1; myosin XIX;
Gene ID	80179.0
SwissProt ID	Q96H55.Recombinant protein of human MYO19

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	109kDa

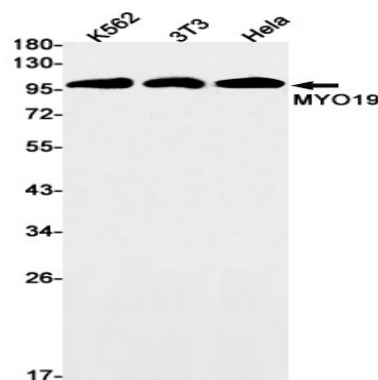
Background

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Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. MYO19 is involved in mitochondrial motility. 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).

Research Area

Image Data



Western blot detection of MYO19 in K562,3T3,HeLa cell lysates using MYO19 antibody(1:1000 diluted).

Note

For research use only.