

KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1406**Specification****KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q96H55
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 109 kDa; observed, 100 kDa
Gene Name	KDa
Aliases	MYO19
	MYO19; Myosin XIX; MYOHD1; Myosin Head Domain-Containing Protein 1; Myosin Head Domain Containing 1; Unconventional Myosin-XIX; FLJ22865
Immunogen	A synthesized peptide derived from human MYO19

KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody - Additional Information

Gene ID	80179
Other Names	
Unconventional myosin-XIX, Myosin head domain-containing protein 1 {ECO:0000312 HGNC:HGNC:26234}, MYO19 {ECO:0000303 PubMed:19932026, ECO:0000312 HGNC:HGNC:26234}	

KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody - 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

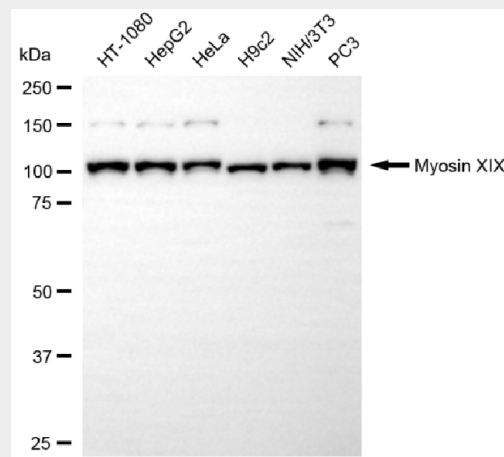
Widely expressed in multiple tissues and cell lines.

KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody - Protocols

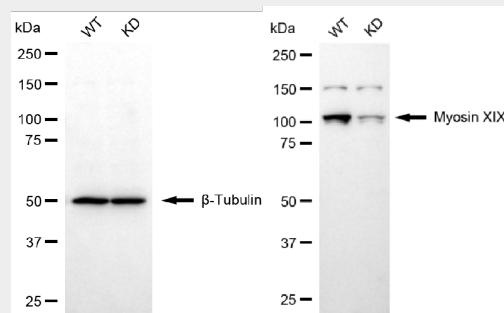
Provided below are standard protocols that you may find useful for product applications.

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

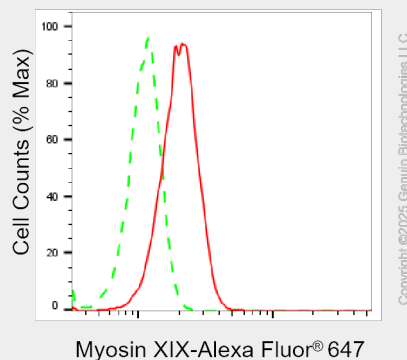
KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody - Images



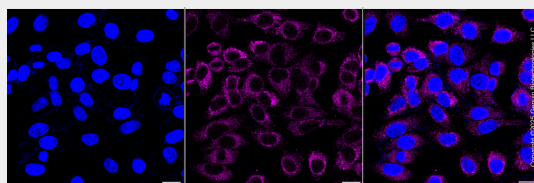
Western blotting analysis using anti-myosin XIX antibody (Cat#AGI1406). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-myosin XIX antibody (Cat#AGI1406, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-myosin XIX antibody (Cat#AGI1406). Myosin XIX expression in wild type (WT) and myosin XIX (MYO19) knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-myosin XIX antibody (Cat#AGI1406, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Myosin XIX expression in HepG2 cells using anti-Myosin XIX antibody (Cat#AGI1406, 1:2,000). Green, isotype control; red, Myosin XIX.



Immunocytochemical staining of HepG2 cells with anti-Myosin XIX antibody (Cat#AGI1406, 1:1,000). Nuclei were stained blue with DAPI; Myosin XIX was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.