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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 KDa**
Gene Name	**MYO19**
Aliases	**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

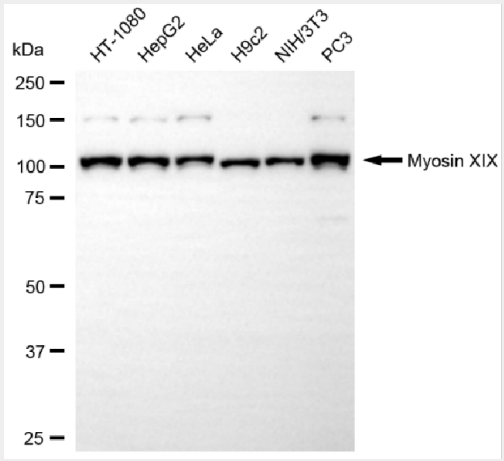
Widely expressed in multiple tissues and cell lines.

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

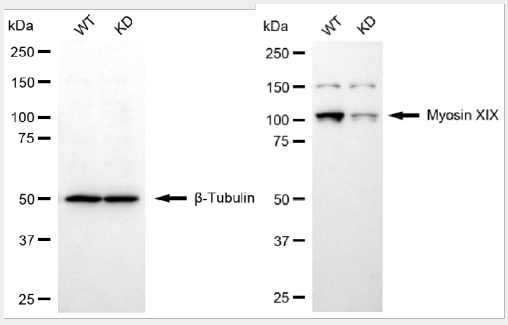
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.

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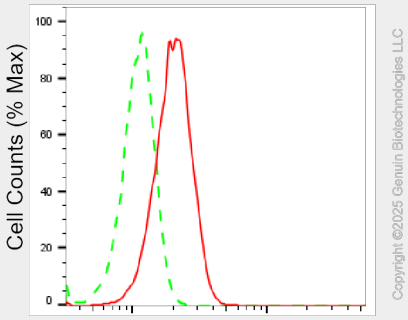
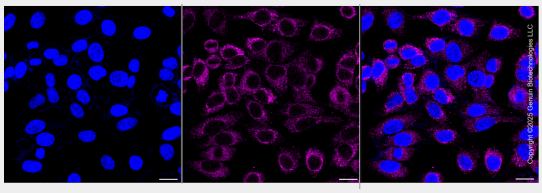


Flow cytometric analysis of Myosin XIX expression in HepG2 cells using anti-Myosin XIX antibody (Cat#AGI1406, 1:2,000). Green, isotype control; red, Myosin XIX.



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 µm.