
Product Name: KD-Validated Myosin XIX Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01295

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 109.1kDa

Antigen Information

Gene Name	MYO19
Alternative Names	MYO19; Myosin XIX; MYOHD1; Myosin Head Domain-Containing Protein 1; Myosin Head Domain Containing 1; Unconventional Myosin-XIX; FLJ22865
Gene ID	80179.0
SwissProt ID	Q96H55
Immunogen	A synthesized peptide derived from human MYO19

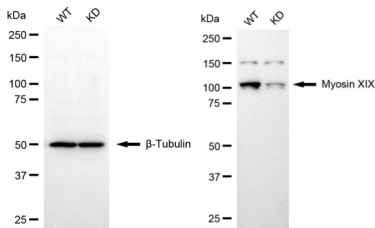
Background

Enables ATP hydrolysis activity and actin binding activity. Involved in regulation of cytokinesis and regulation of mitochondrial fission. Acts upstream of or within mitochondrion migration along actin filament. Located in cytosol and mitochondrial outer membrane. [provided by Alliance of Genome Resources, Jul 2025]

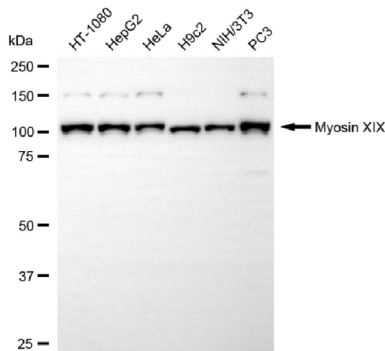
Research Area

Signal Transduction

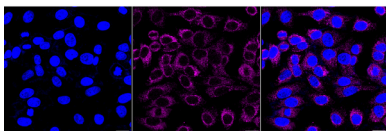
Image Data



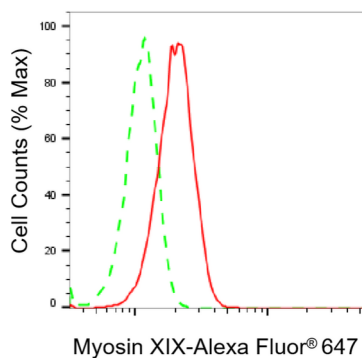
Western blotting analysis using myosin XIX antibody (KVA01295). Myosin XIX expression in wild type (WT) and myosin XIX (MYO19) knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with myosin XIX antibody (KVA01295, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using myosin XIX antibody (KVA01295). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with myosin XIX antibody (KVA01295, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Myosin XIX antibody (KVA01295, 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.



Flow cytometric analysis of Myosin XIX expression in HepG2 cells using Myosin XIX antibody (KVA01295, 1:2,000). Green, isotype control; red, Myosin XIX.