

KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1384**Specification**

KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	Q02241
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 110 kDa , observed, 98 kDa
Gene Name	KDa
Aliases	KIF23 KIF23; Kinesin Family Member 23; MKLP1; MKLP-1; KNSL5; Kinesin-Like 5 (Mitotic Kinesin-Like Protein 1); Kinesin-Like Protein KIF23; Congenital Dyserythropoietic Anemia, Type III; Mitotic Kinesin-Like Protein 1; Kinesin-Like Protein 5; CDAIII; CDAN3A; CDAN3; CDA3; CHO1 A synthesized peptide derived from human MKLP1
Immunogen	

KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody - Additional Information

Gene ID	9493
Other Names	
Kinesin-like protein KIF23, Kinesin-like protein 5, Mitotic kinesin-like protein 1, KIF23, KNSL5, MKLP1	

KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody - Protein Information**Name** KIF23**Synonyms** KNSL5, MKLP1**Function**

Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of ECT2 to the central spindle. Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro.

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody, Midbody ring. Note=Localizes to the interzone of mitotic spindles. Detected at the midbody during later stages of mitotic cytokinesis

Tissue Location

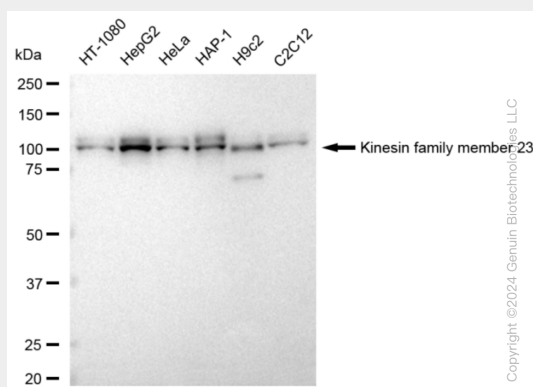
Widely expressed..

KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody - Protocols

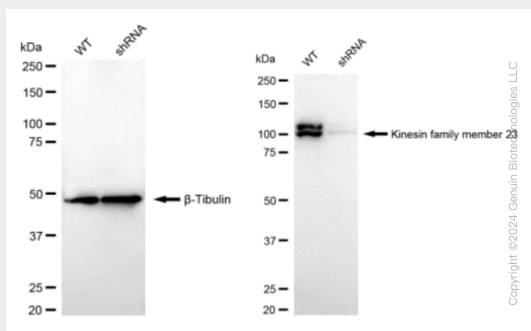
Provided below are standard protocols that you may find useful for product applications.

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

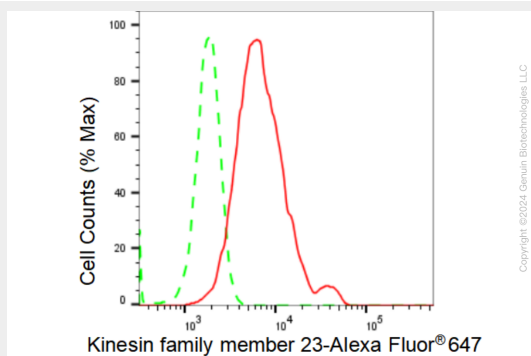
KD-Validated Anti-Kinesin family member 23 Rabbit Monoclonal Antibody - Images



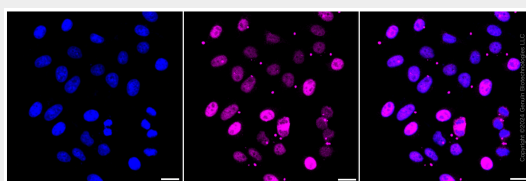
Western blotting analysis using anti-Kinesin family member 23 antibody (Cat#AGI1384). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Kinesin family member 23 antibody (Cat#AGI1384, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Kinesin family member 23 antibody (Cat#AGI1384). Kinesin family member 23 expression in wild type (WT) and Kinesin family member 23 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Kinesin family member 23 antibody (Cat#AGI1384, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Kinesin family member 23 expression in HepG2 cells using Kinesin family member 23 antibody (Cat#AGI1384, 1:2,000). Green, isotype control; red, Kinesin family member 23.



Immunocytochemical staining of HepG2 cells with Kinesin family member 23 antibody (Cat#AGI1384, 1:1,000). Nuclei were stained blue with DAPI; Kinesin family member 23 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.