

Product Name: KD-Validated Kinesin Family Member 2C Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb00735

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 81.3kDa

Antigen Information

Gene Name	KIF2C KIF2C; Kinesin Family Member 2C; MCAK; CT139; KNSL6; Mitotic Centromere-Associated
Alternative Names	Kinesin; Kinesin-Like Protein KIF2C; Kinesin-Like Protein 6; Kinesin-Like 6 (Mitotic Centromere-Associated Kinesin); Testis Tissue Sperm-Binding Protein Li 68n
Gene ID	11004.0
SwissProt ID	Q99661
Immunogen	A synthesized peptide derived from human MCAK

Background

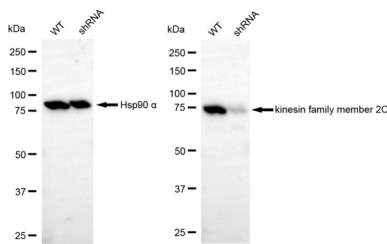
This gene encodes a kinesin-like protein that functions as a microtubule-dependent molecular motor. The encoded protein can

depolymerize microtubules at the plus end, thereby promoting mitotic chromosome segregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

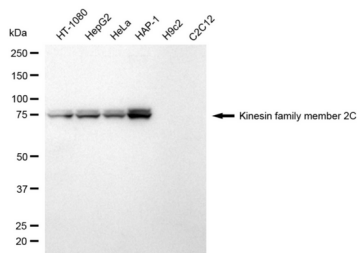
Research Area

Signal Transduction

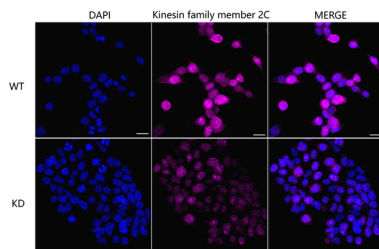
Image Data



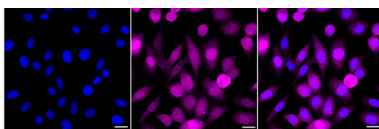
Western blotting analysis using kinesin family member 2C antibody (KVA00735). Kinesin family member 2C expression in wild type (WT) and kinesin family member 2C (KIF2C) shRNA knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with kinesin family member 2C antibody (KVA00735, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



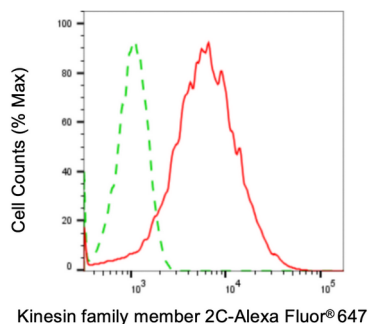
Western blotting analysis using kinesin family member 2C antibody (KVA00735). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with kinesin family member 2C antibody (KVA00735, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of 293T cells using Kinesin family member 2C antibody (KVA00735, 1:1,000), Top panel: wild-type (WT); Bottom panel: Kinesin family member 2C shRNA knockdown (KD). Nuclei were stained blue with DAPI; Kinesin family member 2C was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with Kinesin family member 2C antibody (KVA00735, 1:1,000). Nuclei were stained blue with DAPI; Kinesin family member 2C 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 Kinesin family member 2C expression in HepG2 cells using Kinesin family member 2C antibody (KVA00735, 1:2,000). Green, isotype control; red, Kinesin family member 2C.