

Product Name: KD-Validated Kinesin family member 2C Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01685

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

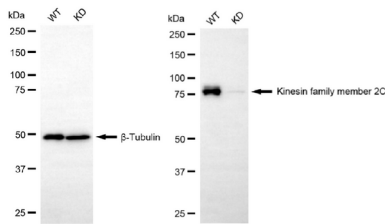
This gene encodes a kinesin-like protein that functions as a microtubule-dependent molecular motor. The encoded protein can

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

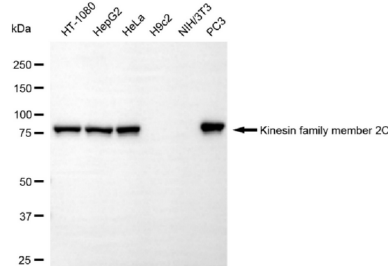
Research Area

Signal Transduction

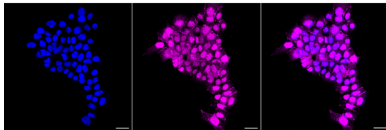
Image Data



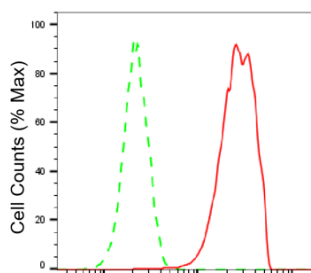
Western blotting analysis using kinesin family member 2C antibody (KVA01685). Kinesin family member 2C expression in wild-type (WT) and kinesin family member 2C (KIF2C) knockdown (KD) 293T cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with kinesin family member 2C antibody (KVA01685, 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 (KVA01685). 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 (KVA01685, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Kinesin family member 2C antibody (KVA01685, 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.



Kinesin family member 2C-Alexa Fluor® 647

Flow cytometric analysis of Kinesin family member 2C expression in HAP-1 cells using Kinesin family member 2C antibody (KVA01685, 1:2,000). Green, isotype control; red, Kinesin family member 2C.