



KIF2C Rabbit mAb

Catalog No	YP-rAb-17552
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Gene Name	KIF2C
Protein Name	Kinesin-like protein KIF2C
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:500; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	KIF2C;Kinesin-like protein KIF2C;KIF2C ; KNSL6 ; Kinesin-like protein KIF2C ; Kinesin-like protein 6 ; Mitotic centromere-associated kinesin ; MCAK
Observed Band	90kD
Calculated Molecular Weight	81kD
Cell Pathway	Cytoplasm, cytoskeleton . Nucleus . Chromosome, centromere . Chromosome, centromere, kinetochore . Associates with the microtubule network at the growing distal tip (the plus-end) of microtubules, probably through interaction with MTUS2/TIP150 and MAPRE1 (By similarity). Association with microtubule plus ends is also mediated by interaction with KIF18B. Centromeric localization requires the presence of BUB1 and SGO2. .
Tissue Specificity	Expressed at high levels in thymus and testis, at low levels in small intestine, the mucosal lining of colon, and placenta, and at very low levels in spleen and ovary; expression is not detected in prostate, peripheral blood Leukocytes, heart, brain, lung, liver, skeletal muscle, kidney or pancreas. Isoform 2 is testis-specific.
Function	Present throughout the cell cycle, associates with centromeres at early prophase, and remains associated with the centromere until after telophase.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the kinesin-like protein family.,similarity:Belongs to the kinesin-like protein family. MCAK/KIF2 subfamily.,similarity:Contains 1 kinesin-motor domain.,subunit:Interacts with CENPH.,tissue specificity:Expressed



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Background

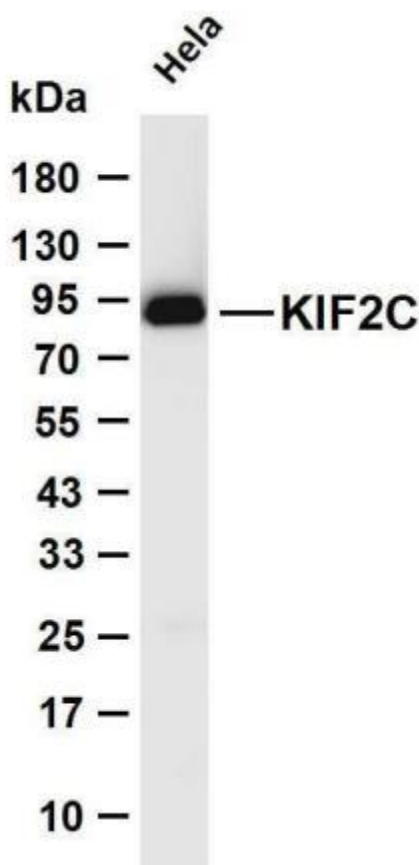
kinesin family member 2C(KIF2C) Homo sapiens This gene encodes a kinesin-like protein that functions as a microtubule-dependent molecular motor. The encoded protein can depolymerize microtubules at the plus end, thereby promoting mitotic chromosome segregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KIF2C antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 81kDa Observed band size: 90kDa

