

KIF18A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16406b

Product Information

Application	WB, E
Primary Accession	Q8NI77
Other Accession	NP_112494.3
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35789
Calculated MW	102281
Antigen Region	644-673

Additional Information

Gene ID	81930
Other Names	Kinesin-like protein KIF18A, Marrow stromal KIF18A, MS-KIF18A, KIF18A
Target/Specificity	This KIF18A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 644-673 amino acids from the C-terminal region of human KIF18A.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KIF18A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KIF18A
Function	Microtubule-depolymerizing kinesin which plays a role in chromosome congression by reducing the amplitude of preanaphase oscillations and slowing poleward movement during anaphase, thus suppressing

chromosome movements. May stabilize the CENPE-BUB1B complex at the kinetochores during early mitosis and maintains CENPE levels at kinetochores during chromosome congression.

Cellular Location

Cell projection, ruffle. Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

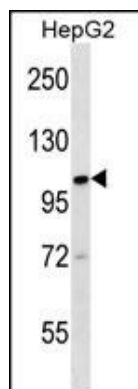
Background

KIF18A is a member of the kinesin superfamily of microtubule-associated molecular motors (see MIM 148760) that use hydrolysis of ATP to produce force and movement along microtubules (Luboshits and Benayahu, 2005 [PubMed 15878648]).[supplied by OMIM].

References

Zhang, C., et al. Carcinogenesis 31(9):1676-1684(2010)
Du, Y., et al. Curr. Biol. 20(4):374-380(2010)
Huang, Y., et al. Cell Cycle 8(16):2643-2649(2009)
Zusev, M., et al. J. Cell. Physiol. 217(3):618-625(2008)
Stumpff, J., et al. Dev. Cell 14(2):252-262(2008)

Images



KIF18A Antibody (C-term) (Cat. #AP16406b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the KIF18A antibody detected the KIF18A protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.