

ARG43218 anti-KIF20B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KIF20B
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KIF20B
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1200-1500 of Human KIF20B (NP_057279.2).
Conjugation	Un-conjugated
Alternate Names	MPP-1; MPHOSPH1; MPP1; KRMP1; Kinesin-related motor interacting with PIN1; M-phase phosphoprotein 1; Kinesin-like protein KIF20B; Cancer/testis antigen 90; CT90

Application Instructions

Predict Reactivity Note	Mouse, Rat				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:200 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:200 - 1:2000
Application	Dilution				
WB	1:200 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	U-251MG				
Observed Size	~ 250 kDa				

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KIF20B
Gene Full Name	kinesin family member 20B
Function	Plus-end-directed motor enzyme that is required for completion of cytokinesis (PubMed:11470801, PubMed:12740395). Required for proper midbody organization and abscission in polarized cortical stem cells. Plays a role in the regulation of neuronal polarization by mediating the transport of specific cargos. Participates in the mobilization of SHTN1 and in the accumulation of PIP3 in the growth cone of primary hippocampal neurons in a tubulin and actin-dependent manner. In the developing telencephalon, cooperates with SHTN1 to promote both the transition from the multipolar to the bipolar stage and the radial migration of cortical neurons from the ventricular zone toward the superficial layer of the neocortex. Involved in cerebral cortex growth (By similarity). Acts as an oncogene for promoting bladder cancer cells proliferation, apoptosis inhibition and carcinogenic progression (PubMed:17409436). [UniProt]
Calculated Mw	211 kDa
PTM	Phosphorylated during mitosis by CDK1 (PubMed:11470801, PubMed:12740395). [UniProt]
Cellular Localization	Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus, nucleolus. Nucleus, nucleoplasm. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Midbody. Cell projection, axon. Cell projection, growth cone. [UniProt]

Images



ARG43218 anti-KIF20B antibody WB image

Western blot: 25 µg of U-251MG cell lysate stained with ARG43218 anti-KIF20B antibody at 1:1000 dilution.