

ARG40389 anti-KIF2B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KIF2B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KIF2B
Species	Human
Immunogen	Recombinant full length protein of Human KIF2B.
Conjugation	Un-conjugated
Alternate Names	Kinesin-like protein KIF2B

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 75 kDa	

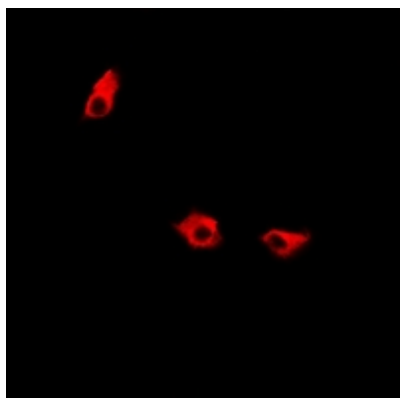
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% 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

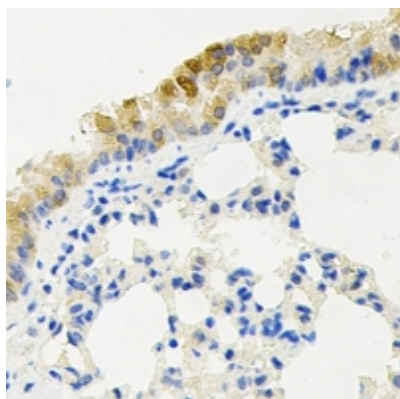
Gene Symbol	KIF2B
Gene Full Name	kinesin family member 2B
Function	Plus end-directed microtubule-dependent motor required for spindle assembly and chromosome movement. Has microtubule depolymerization activity. [UniProt]
Calculated Mw	76 kDa
PTM	Phosphorylation at Thr-125 by PLK1 is required for activity in the correction of kinetochore-microtubules attachment errors, while phosphorylation at Ser-204 also by PLK1 is required for the kinetochore localization and activity in prometaphase. [UniProt]
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Note=Association with kinetochore is transient. [UniProt]

Images



ARG40389 anti-KIF2B antibody ICC/IF image

Immunofluorescence: Formalin-fixed A549 cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG40389 anti-KIF2B antibody (red) in 3% BSA-PBS and incubated overnight at 4°C.



ARG40389 anti-KIF2B antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse lung tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG40389 anti-KIF2B antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ARG40389 anti-KIF2B antibody WB image

Western blot: U937, Mouse lung and Rat lung lysates stained with ARG40389 anti-KIF2B antibody.

