

Anti-MKLP1 KIF23 Rabbit Monoclonal Antibody

Catalog # ABO13570

Product Information

Application	WB, IF, ICC
Primary Accession	Q02241
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-MKLP1 KIF23 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	9493
Other Names	Kinesin-like protein KIF23, Kinesin-like protein 5, Mitotic kinesin-like protein 1, KIF23, KNSL5, MKLP1
Calculated MW	110059
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Subcellular Localization	Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody. Localizes to the interzone of mitotic spindles. Detected at the midbody during later stages of mitotic cytokinesis.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: EG-11
Immunogen	A synthesized peptide derived from human MKLP1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	KIF23
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Synonyms

KNSL5, MKLP1

Function

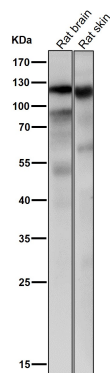
Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of ECT2 to the central spindle. Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro.

Cellular Location

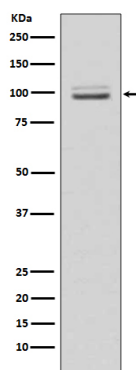
Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody, Midbody ring. Midbody. Note=Localizes to the interzone of mitotic spindles. Detected at the midbody during later stages of mitotic cytokinesis

Tissue Location

Widely expressed..

Images

All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of MKLP1 expression in HeLa cell lysate.

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