

MKLP1 Rabbit mAb

Catalog # AP75723

Product Information

| | |
|--------------------------|------------------------|
| Application | WB |
| Primary Accession | Q02241 |
| Reactivity | Rat, Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Isotype | IgG |
| Conjugate | Unconjugated |
| Purification | Affinity Purified |
| Calculated MW | 110059 |

Additional Information

| | |
|--------------------|---|
| Gene ID | 9493 |
| Other Names | KIF23 |
| Dilution | WB~~1:500-1:1000 |
| Format | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

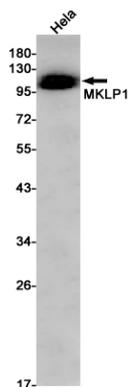
Protein Information

| | |
|--------------------------|---|
| Name | KIF23 |
| 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.. |

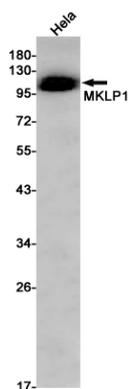
Background

Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro. Localizes to the interzone of mitotic spindles.

Images



Western blot analysis of MKLP1 in HeLa lysates using MKLP1 antibody.



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