

Anti-MCAK Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

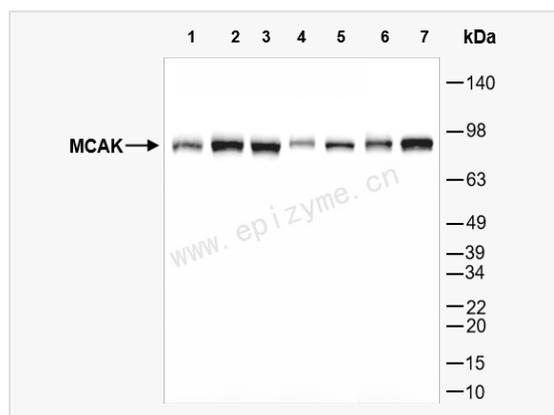
Catalog # R015239

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	34H15G55
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MCAK
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MCAK Rabbit mAb [34H15G55] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	4930402F02Rik; CT139; ESTM5; KIF 2C; kif2c; KIF2C_HUMAN; Kinesin Family Member 2C; Kinesin family member 2C; kinesin like 6 (mitotic centromere associated kinesin); Kinesin like 6; Kinesin like protein 6; Kinesin like protein KIF2C; Kinesin-like protein 6; Kinesin-like protein KIF2C; KNS L6; KNSL 6; KNSL6; MCAK; MGC11883; Mitotic centromere associated kinesin; Mitotic centromere-associated kinesin; OTTHUMP00000010066; X83316.
Calculated MW	Calculated MW: 81 kDa; Observed MW: 81 kDa
Uniprot ID	Q99661
Gene ID	11004
Background	This gene encodes a kinesin-like protein that functions as a microtubule-dependent molecular motor. The encoded protein can depolymerize microtubules at the plus end, thereby promoting mitotic chromosome segregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Cellular Location	Cytoplasm > cytoskeleton. Nucleus. Chromosome > centromere. Chromosome > centromere > kinetochore. Associates with the microtubule network at the growing distal tip (the plus-end) of microtubules, probably through interaction with MTUS2/TIP150 and MAPRE1 (By similarity). Centromeric localization requires the presence of BUB1 and SGOL2.
Tissue Location	Expressed at high levels in thymus and testis, at low levels in small intestine, the mucosal lining of colon, and placenta, and at very low levels in spleen and ovary; expression is not detected in prostate, peripheral blood Leukocytes, heart, brain, lung, liver, skeletal muscle, kidney or pancreas. Isoform 2 is testis-specific.



Western Blot - Anti-MCAK Rabbit mAb [34H15G55]

All lanes: R015239 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 81 kDa

Observed band size: 81 kDa

Developed using the ECL technique (Cat. No. SQ201).