Anti-Aurora A Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016232

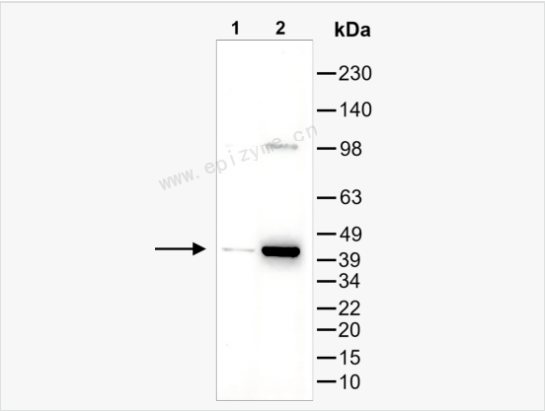
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	79D35C30
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein corresponding to Human AURKA
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-Aurora A Mouse mAb [79D35C30] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AURA; Aurka; Aurora 2; Aurora A; Aurora kinase A; Aurora-related kinase 1; Aurora/IPL1 like kinase; AURORA/IPL1-like kinase; Aurora/IPL1-related kinase 1; AURORA2; Breast tumor-amplified kinase; BTAK; hARK1; IAK.
Calculated MW	Calculated MW: 46 kDa; Observed MW: 46 kDa
Uniprot ID	O14965
Gene ID	6790
Background	The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome; Cytoplasm, cytoskeleton, spindle pole; Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole; Cell projection, neuron projection; Cell projection, cilium; Cytoplasm, cytoskeleton, cilium basal body; Basolateral cell membrane. Note: localizes at the centrosome from early prophase until telophase, and to spindle pole MTs from prophase to anaphase; moves to the midbody during telophase and cytokinesis.
Tissue Location	Highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also highly expressed in colon, ovarian, prostate, neuroblastoma, breast and cervical cancer cell lines. Induction: cell-cycle regulated, low in G1/S, accumulates during G2/M, and decreases rapidly after.

Validation Images



Western Blot - Anti-Aurora A Mouse mAb [79D35C30]
All lanes: M016232 at 1:1,000 dilution
Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 2: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 46 kDa
Observed band size: 46 kDa
Developed using the ECL technique (Cat. No. SQ201).