

Anti-IPL-1/STK13/Aurora C Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

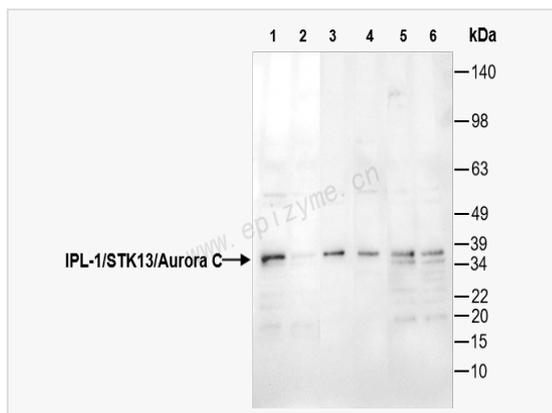
Catalog # R014871

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF (Tissue-P) 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	61A09S85
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IPL-1/STK13/Aurora C
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-IPL-1/STK13/Aurora C Rabbit mAb [61A09S85] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AURKC, AIE 2, Aie1, AIE2, AIK 3, AIK3, ARK 3, ARK-3, ARK3, Aur C, AurC, Aurkc, AURKC_HUMAN, aurora 3, Aurora C, Aurora kinase C, aurora related kinase 3, Aurora-related kinase 3, Aurora/Ipl1 related kinase 3, Aurora/Ipl1-related kinase 3, Aurora/Ipl1/Eg2 protein 2, EC 2.7.11.1, Serine threonine protein kinase 13, serine/threonine kinase 13 (aurora/IPL1 like), serine/threonine protein kinase aurora C, Serine/threonine-protein kinase 13, Serine/threonine-protein kinase aurora-C, SPGF5, STK13.
Calculated MW	Calculated MW: 36 kDa; Observed MW: 36 kDa
Uniprot ID	Q9UQB9
Gene ID	6795
Background	This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]
Cellular Location	Chromosome. Cytoplasm > cytoskeleton > spindle. Distributes in the condensed chromosomes during prophase to metaphase. After entering anaphase, there is a dissociation from separated chromosomes and a redistribution to midzone microtubules, and finally remains in the midbody during cytokinesis.



Western Blot - Anti-IPL-1/STK13/Aurora C Rabbit mAb [61A09S85]

All lanes: R014871 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: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

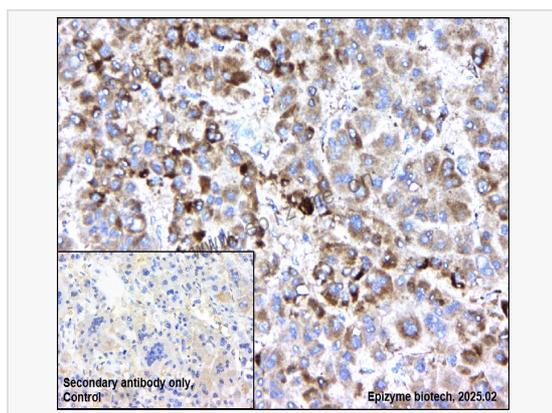
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 36 kDa

Observed band size: 36 kDa

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



Immunohistochemistry - Anti-IPL-1/STK13/Aurora C Rabbit mAb [61A09S85]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014871 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.