abcam

Product datasheet

Anti-IPL-1/STK13/Aurora C antibody ab38298

1 References 2 图像

概述

产品名称	Anti-IPL-1/STK13/Aurora C抗体
描述	兔多克隆抗体to IPL-1/STK13/Aurora C
宿主	Rabbit
经测试应用	**适用于:** WB, ELISA, ICC/IF **不适用于:** IP
种属反应性	**与反应:** Human
免疫原	Synthetic peptide conjugated to KLH, selected from within amino acids 1-50 of Human IPL-1/STK13/Aurora C, (N terminal region).
阳性对照	293 cell lysates and HeLa cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab38298于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/100 - 1/500. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).

应用	Ab评论	说明
ELISA		1/1000.
ICC/IF		1/100 - 1/500.

应用说明 Is unsuitable for IP.

靶标

功能 May play a part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis. May also contribute to the regulation of chromosome segregation and cytokinesis.

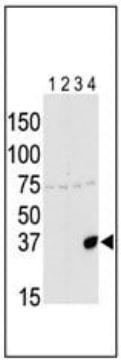
组织特异性 Isoform 1 and isoform 2 are expressed in testis. Elevated expression levels were seen only in a subset of cancer cells such as HepG2, HuH7 and HeLa cells. Expression is maximum at M phase.

疾病相关 Defects in AURKC are the cause of male infertility with large-headed multiflagellar polyploid spermatozoa (MIMPS) [MIM:243060]; also known as infertility associated with multi-tailed spermatozoa and excessive DNA.

序列相似性 Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. Contains 1 protein kinase domain.

细胞定位 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 remaines in the midbody during cytokinesis.

图片



Western blot - Anti-IPL-1/STK13/Aurora C antibody (ab38298)

This image is courtesy of Drs. K. Sasai and S. Sen from the University of Texas MD Anderson Cancer Center (Houston, TX).

All lanes : Anti-IPL-1/STK13/Aurora C antibody (ab38298) at 1/100 dilution

Lane 1 : 293 cell lysate expressing Flag tag

Lane 2 : 293 cell lysate expressing Flag tagged Aurora A

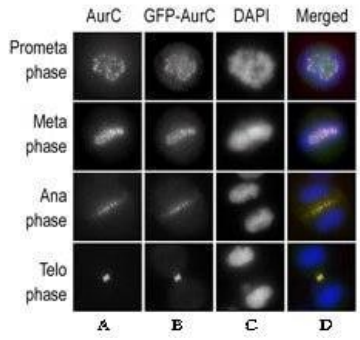
Lane 3 : 293 cell lysate expressing Flag tagged Aurora B

Lane 4 : 293 cell lysate expressing Flag tagged Aurora C

Predicted band size: 36 kDa

Observed band size: 36 kDa

Additional bands at: 75 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - Anti-IPL-1/STK13/Aurora C antibody (ab38298)

ICC/IF image of ab38298 at 1/100 dilution staining HeLa cells, expressing GFP-Aurora C, at different cellular mitotic stages. The images show (A), the primary antibody (B), GFP fluorescence (C), DAPI nuclear staining and (D) ab38298 merged to DAPI staining.

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