abcam

Product datasheet

Anti-IPL-1/STK13/Aurora C antibody [EP1011Y] ab46783

Recombinant RabMAb

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Overview

Product name	Anti-IPL-1/STK13/Aurora C antibody [EP1011Y]
Description	Rabbit monoclonal [EP1011Y] to IPL-1/STK13/Aurora C
Host species	Rabbit
Specificity	This antibody is not recommended in tissue lysate testing.
Tested applications	**Suitable for:** WB **Unsuitable for:** ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide within Human IPL-1/STK13/Aurora C aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	HepG2 cell lysate
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EP1011Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab46783 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).

Application notes Is unsuitable for ICC/IF.

Target

Function 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.

Tissue specificity 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.

Involvement in disease 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.

Sequence similarities Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. Contains 1 protein kinase domain.

Cellular localization 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.

Images
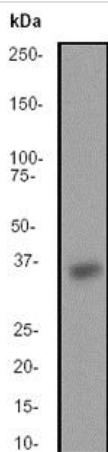
Anti-IPL-1/STK13/Aurora C antibody [EP1011Y] (ab46783) at 1/1000 dilution + HepG2 lysate at 10 µg

Secondary

goat anti rabbit HRP

Predicted band size: 36 kDa
Observed band size: 36 kDa

Western blot - Anti-IPL-1/STK13/Aurora C antibody [EP1011Y] (ab46783)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-IPL-1/STK13/Aurora C antibody [EP1011Y] (ab46783)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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