

Product datasheet

Anti-Survivin antibody [6H5] ab118046

画像数 2

製品の概要

製品名	Anti-Survivin antibody [6H5]
製品の詳細	Mouse monoclonal [6H5] to Survivin
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human
免疫原	Recombinant full length Human Survivin produced in HEK293T cells(NP_001159).
ポジティブ・コントロール	HEK293T cells transfected with pCMV6-ENTRY Survivin; COS7 cells transiently transfected by pCMV6-ENTRY Survivin.
特記事項	Dilute in PBS (pH7.3) before use.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 48% PBS, 1% BSA
精製度	Protein G purified
特記事項(精製)	ab118046 is purified from Mouse ascites fluids by affinity chromatography.
ポリ/モノ	モノクローナル
クローン名	6H5
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab118046** in the following tested applications.

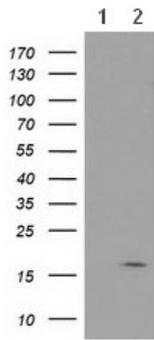
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500. Predicted molecular weight: 16 kDa.
ICC/IF		1/100.

ターゲット情報

機能	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. The complex with RAN plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2 to microtubules. May play a role in neoplasia. May counteract a default induction of apoptosis in G2/M phase. Inhibitor of caspase-3 and caspase-7. Isoform 2 and isoform 3 do not appear to play vital roles in mitosis. Isoform 3 shows a marked reduction in its anti-apoptotic effects when compared with the displayed wild-type isoform.
組織特異性	Expressed only in fetal kidney and liver, and to lesser extent, lung and brain. Abundantly expressed in adenocarcinoma (lung, pancreas, colon, breast, and prostate) and in high-grade lymphomas. Also expressed in various renal cell carcinoma cell lines.
配列類似性	Belongs to the IAP family. Contains 1 BIR repeat.
発生段階	Expression is cell cycle-dependent and peaks at mitosis.
ドメイン	The BIR repeat is necessary and sufficient for HBXIP binding.
翻訳後修飾	Ubiquitination is required for centrosomal targeting. In vitro phosphorylation at Thr-117 by AURKB/STK12 prevents interaction with INCENP and localization to mitotic chromosomes.
細胞内局在	Cytoplasm. Nucleus. Chromosome. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle. Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with AURKB at mitotic chromosomes.

画像



Western blot - Anti-Survivin antibody [6H5] (ab118046)

All lanes : Anti-Survivin antibody [6H5] (ab118046) at 1/500 dilution

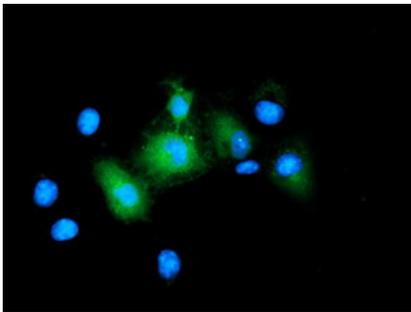
Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY Survivin cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size: 16 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC201549)



Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody [6H5] (ab118046)

ab118046 at 1/100 dilution staining Survivin in COS7 cells transiently transfected by pCMV6-ENTRY Survivin by Immunofluorescence.

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