

## 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	<b>適用あり:</b> WB, ICC/IF
種交差性	<b>交差種:</b> 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.

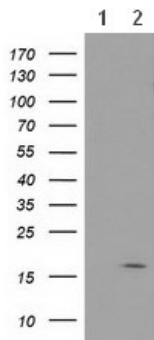
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

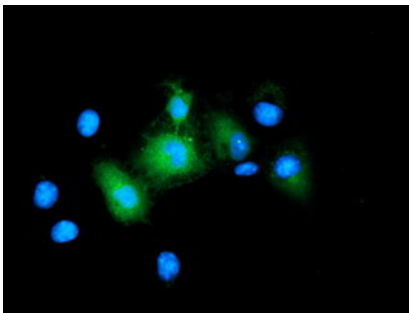
**Lane 1 :** HEK293T cells transfected with  
pCMV6-ENTRY control

**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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