

# Anti-Survivin antibody [EPR17358] ab182132

**重组** RabMAb

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## 概述

产品名称	Anti-Survivin抗体[EPR17358]
描述	兔单克隆抗体[EPR17358] to Survivin
宿主	Rabbit
经测试应用	<b>适用于:</b> IP, IHC-P, WB <b>不适用于:</b> ICC/IF
种属反应性	<b>与反应:</b> Mouse, Rat
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Neuro-2a, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates; Mouse colon and testis lysates. IHC-P: Mouse spleen and testis tissues. IP: F9 whole cell extract.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

## 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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17358
同种型	IgG

## 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab182132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
IP		1/100.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 16 kDa (predicted molecular weight: 16 kDa).

## 应用说明

Is unsuitable for ICC/IF.

## 靶标

## 功能

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.

### 组织特异性

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.

## 序列相似性

Belongs to the IAP family.  
Contains 1 BIR repeat.

### 发展阶段

Expression is cell cycle-dependent and peaks at mitosis.

## 结构域

The BIR repeat is necessary and sufficient for HBXIP binding.

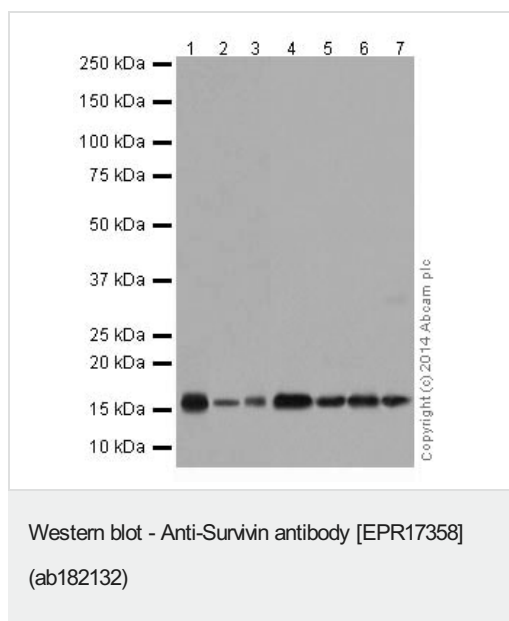
### 翻译后修饰

Ubiquitination is required for centrosomal targeting.  
In vitro phosphorylation at Thr-117 by AURKB/STK12 prevents interaction with INCENP and localization to mitotic chromosomes.

## 细胞定位

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.

图片



**All lanes :** Anti-Survivin antibody [EPR17358] (ab182132) at 1/1000 dilution

**Lane 1 :** Neuro-2a (Mouse neuroblastoma cells) whole cell lysates

**Lane 2 :** Mouse colon lysates

**Lane 3 :** Mouse testis lysates

**Lane 4 :** C6 (Rat glial tumor cells) whole cell lysates

**Lane 5 :** RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysates

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

**Lane 7 :** NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysates

Lysates/proteins at 10 µg per lane.

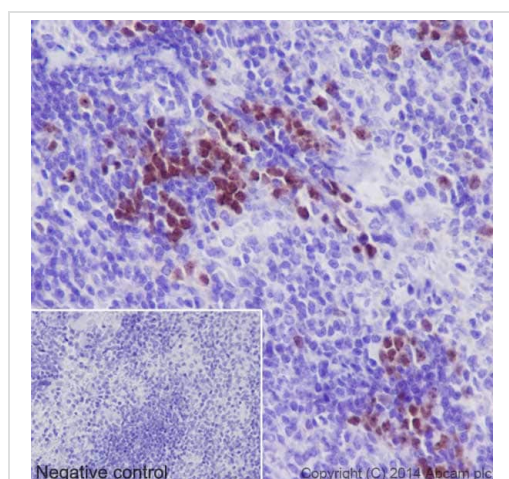
### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 16 kDa

**Observed band size:** 16 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

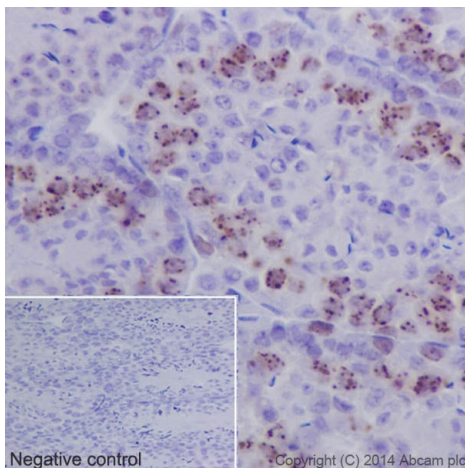


Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Survivin with ab182132 at 1/500 dilution followed by **Anti-Rabbit HRP (ab97051)** secondary at 1/500 dilution. Nuclear staining on mouse spleen is observed. Counter stained with Hematoxylin.

Negative control: Using PBS instead of primary antibody, secondary antibody is **Anti-Rabbit HRP (ab97051)** secondary at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EPR17358] (ab182132)

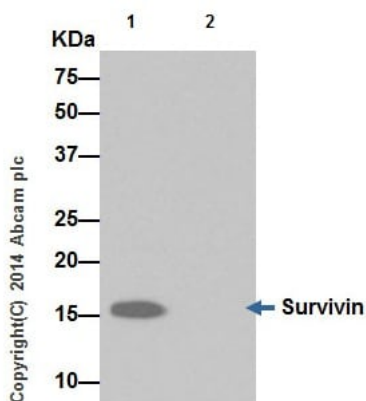


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EPR17358] (ab182132)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling Survivin with ab182132 at 1/500 dilution followed by **Anti-Rabbit HRP (ab97051)** secondary at 1/500 dilution. Nuclear staining on spermatogenic cells of mouse testis is observed. Counter stained with Hematoxylin.

Negative control: Using PBS instead of primary antibody, secondary antibody is **Anti-Rabbit HRP (ab97051)** secondary at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

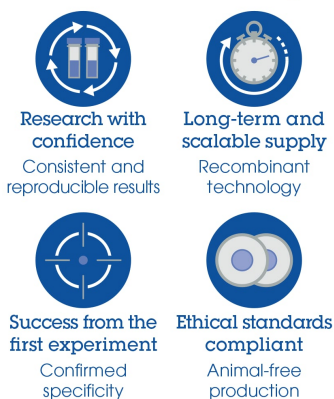


Immunoprecipitation - Anti-Survivin antibody [EPR17358] (ab182132)

Survivin was immunoprecipitated from 1 mg of F9 (Mouse embryo testicular cancer cell line) whole cell extract with ab182132 at 1/100 dilution. Western blot was performed from the immunoprecipitate using ab182132 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution. Lane 1: F9 whole cell extract. Lane 2: PBS instead of F9 whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

### Why choose a recombinant antibody?



Anti-Survivin antibody [EPR17358] (ab182132)

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

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