

Product datasheet

Anti-Survivin antibody [EP2880Y] ab76424

リコンビナント RabMAb<sup>®</sup>

★★★★★ 6 Abreviews 16 References 画像数 13

製品の概要

<b>製品名</b>	Anti-Survivin antibody [EP2880Y]
<b>製品の詳細</b>	Rabbit monoclonal [EP2880Y] to Survivin
<b>アプリケーション</b>	<b>適用あり:</b> IHC-P, WB, IP, Flow Cyt, ICC/IF, Sandwich ELISA
<b>種交差性</b>	<b>交差種:</b> Human
<b>免疫原</b>	Synthetic peptide within Human Survivin aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">O15392</a>
<b>ポジティブ・コントロール</b>	HeLa and Jurkat lysates; human urinary bladder carcinoma and human colonic adenocarcinoma tissues.
<b>特記事項</b>	A trial size is available to purchase for this antibody.  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.  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>  This product is a recombinant rabbit monoclonal antibody.

製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>解離定数 (K<sub>D</sub> 値)</b>	

$$K_D = 4.40 \times 10^{-10} \text{ M}^A$$

[Learn more about K<sub>D</sub>](#)

<b>バッファー</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Glycerol, 0.05% BSA
<b>精製度</b>	Tissue culture supernatant
<b>ポリ/モノ</b>	モノクローナル
<b>クローン名</b>	EP2880Y

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab76424** in the following tested applications.

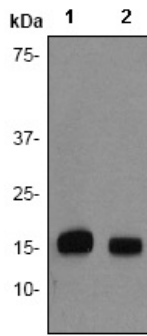
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★	1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Signal amplification system might be necessary or the use of polymerized HRP secondary antibodies.
WB	★★★★☆	1/5000 - 1/20000. Detects a band of approximately 16 kDa (predicted molecular weight: 16 kDa).
IP		1/10.
Flow Cyt		1/50. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★	1/100 - 1/250.
Sandwich ELISA		Use a concentration of 0.5 µg/ml. Can be paired for Sandwich ELISA with <a href="#">Goat polyclonal to Survivin (ab27468)</a> . For sandwich ELISA, use this antibody as detection at 0.5µg/ml with <a href="#">ab27468</a> as capture.

## 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.

## Anti-Survivin antibody [EP2880Y] 画像



Western blot - Anti-Survivin antibody [EP2880Y]  
(ab76424)

**All lanes** : Anti-Survivin antibody [EP2880Y]  
(ab76424) at 1/10000 dilution

**Lane 1** : HeLa lysates

**Lane 2** : Jurkat lysates

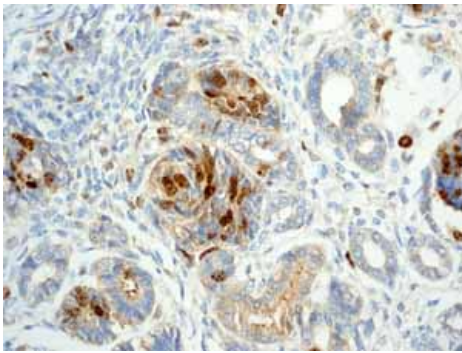
Lysates/proteins at 10 µg per lane.

### Secondary

goat anti-rabbit HRP at 1/1000 dilution

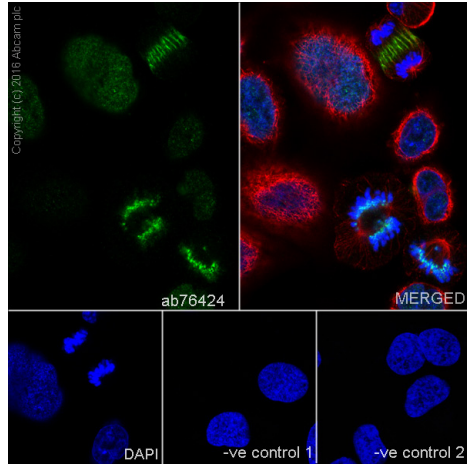
**Predicted band size** : 16 kDa

**Observed band size** : 16 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Survivin antibody  
[EP2880Y] (ab76424)

ab76424 showing positive staining in Fetal  
kidney tissue.

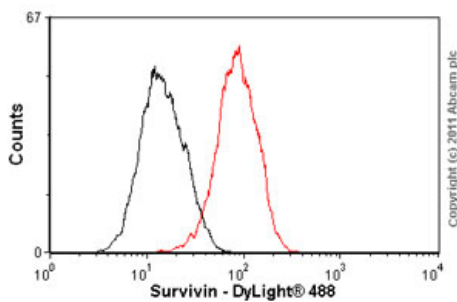


Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody [EP2880Y] (ab76424)

Immunofluorescent staining of MCF-7 cells labelling Bcl-2 with purified ab76424 at 1/1000. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. ab150077, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. The cells were co-stained with ab7291, a mouse anti-tubulin (1/1000) using ab150120, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) as the secondary antibody. Nuclei counterstained with DAPI (blue).

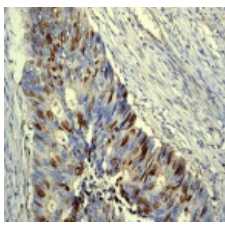
Control 1: primary antibody (1/100) and secondary antibody, ab150120, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500).

Control 2: ab7291 (1/1000) and secondary antibody, ab150077, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500).



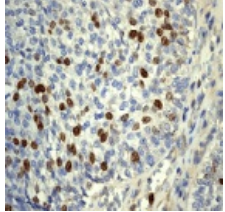
Flow Cytometry - Anti-Survivin antibody [EP2880Y] (ab76424)

Overlay histogram showing HeLa cells stained with ab76424 (red line). The cells were fixed with methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab76424, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit monoclonal IgG (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a decreased signal in HeLa cells fixed with 4% paraformaldehyde/permeabilized with 0.1% PBS-Tween 20 used under the same conditions.



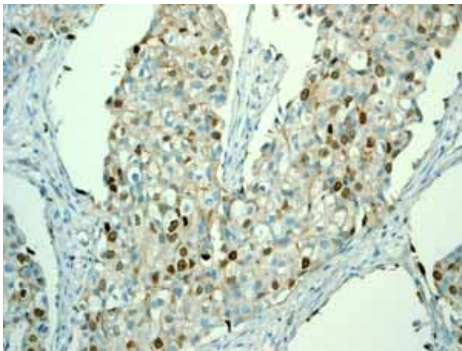
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)

ab76424 at 1/250 dilution staining Survivin in human colonic adenocarcinoma by Immunohistochemistry, Paraffin-embedded tissue.



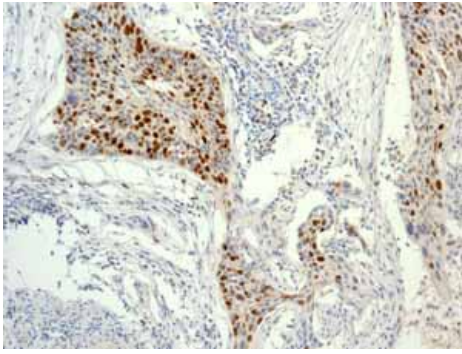
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)

ab76424 at 1/250 dilution staining Survivin in human urinary bladder carcinoma by Immunohistochemistry, Paraffin-embedded tissue.



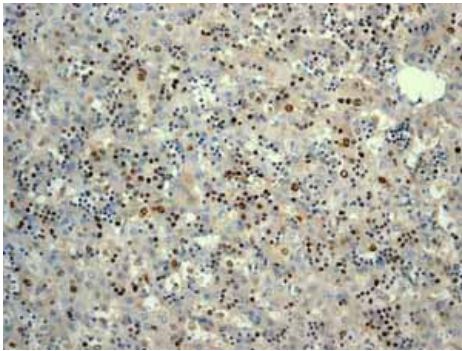
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)

ab76424 showing positive staining in breast carcinoma tissue.



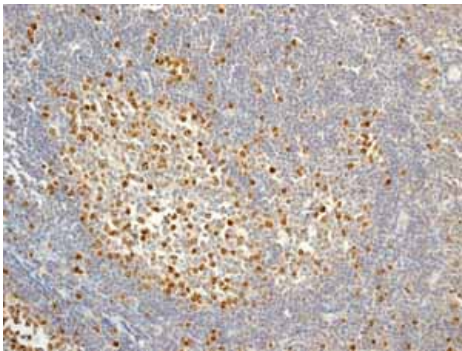
ab76424 showing positive staining in cervical carcinoma tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)



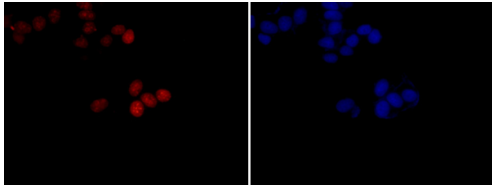
ab76424 showing positive staining in fetal liver tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)



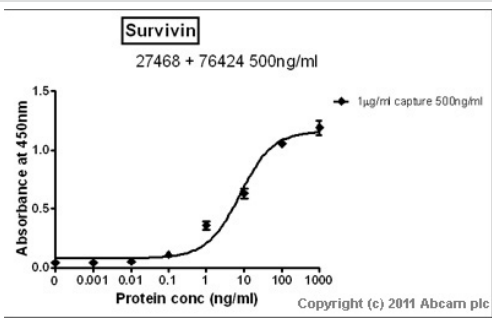
ab76424 showing positive staining in normal tonsil tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody [EP2880Y] (ab76424)



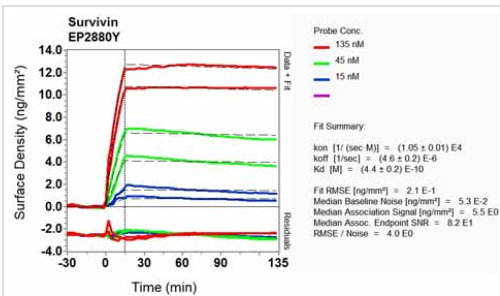
Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody [EP2880Y] (ab76424)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 cells labelling Survivin with ab76424 at 1/100. Cells were fixed with 4% paraformaldehyde for 20 minutes at room temperature. Cells were incubated with the primary antibody overnight. An Alexa Fluor® 555-conjugated anti-rabbit IgG was used as the secondary antibody. Left - Survivin, Right - DAPI.



Sandwich ELISA - Anti-Survivin antibody [EP2880Y] (ab76424)

Standard curve for Survivin (Analyte: ab87202); dilution range 1µg/ml to 1µg/ml using Capture Antibody ab27468 at 1µg/ml and Detector Antibody abRabbit monoclonal [EP2880Y] to Survivin (ab76424) at 0.5µg/ml. Concentration of Rabbit monoclonal [EP2880Y] to Survivin (ab76424) may vary from lot to lot; please use this curve as guideline.



Other - Anti-Survivin antibody [EP2880Y] (ab76424)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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