abcam

Product datasheet

Anti-Survivin antibody ab469

10 Abreviews 128 References 画像数 8

製品の概要

製品名	Anti-Survivin antibody
製品の詳細	Rabbit polyclonal to Survivin
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB, IHC-P, ELISA, Flow Cyt, IP, RIP
種交差性	**交差種:** Mouse, Rat, Cow, Cat, Dog, Human
免疫原	Recombinant full length protein corresponding to Human Survivin . Database link: O15392
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.876% Sodium chloride, 99% Tris glycine
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee	Abpromise保証は、次のテスト済みアプリケーションにおけるab469の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	1/250. See Abreview by William Moore; fix with formaldehyde.
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Predicted molecular weight: 16 kDa. Found to work at 1/5000 dilution.
IHC-P	★★★★☆ (3)	Use a concentration of 0.5 µg/ml. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab171870** - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
IP	★★★★☆ (1)	Use at an assay dependent concentration. Recommended to use at 5-7Âµg/ml.
RIP		Use at an assay dependent concentration. PubMed: 19542185

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.

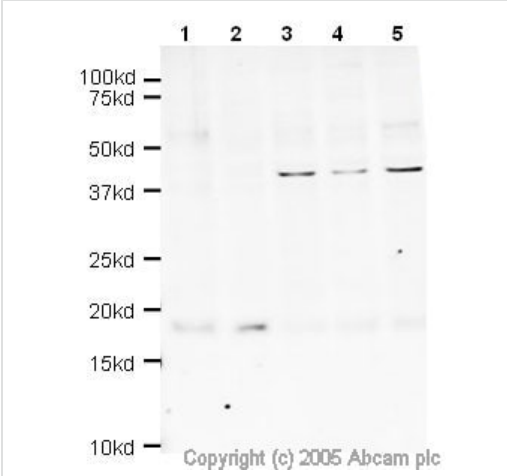
翻訳後修飾

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 (ab469)

All lanes : Anti-Survivin antibody (ab469) at 1 µg/ml

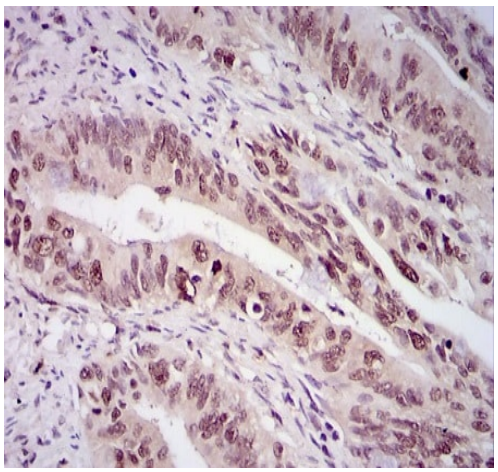
Lane 1 : HeLa Nuclear
Lane 2 : HeLa whole cell lysate
Lane 3 : A431 cell lysate
Lane 4 : Jurkat cell lysate
Lane 5 : HEK293 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Alexa Fluor anti-rabbit at 1/5000 dilution

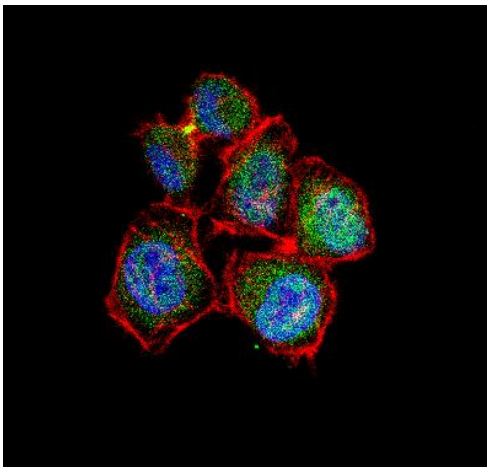
Performed under reducing conditions.

Predicted band size: 16 kDa
Observed band size: 18 kDa
Additional bands at: 37 kDa, 50 kDa. We are unsure as to the identity of these extra bands.



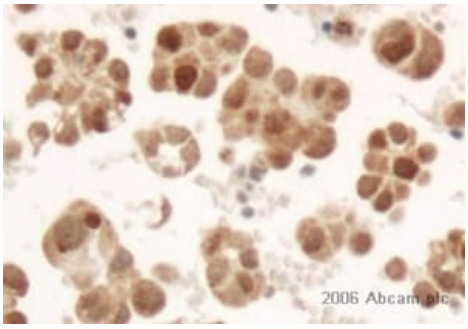
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody (ab469)

Paraffin-embedded human rectal cancer tissue stained for Survivin using ab469 at 0.5 µg/ml in immunohistochemical analysis, using DAB with hematoxylin counterstain.



Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody (ab469)

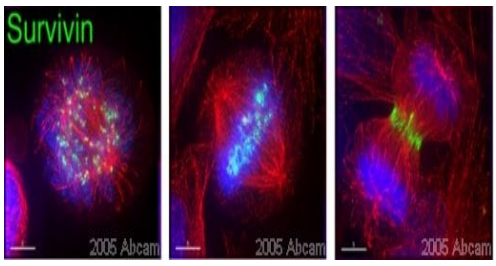
HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for Survivin (green) using ab469 at 1/10 dilution in ICC/IF. An Alexa Fluor 488-conjugated Goat to rabbit IgG was used as secondary antibody (green). Actin filaments were labeled with Alexa Fluor 568 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody (ab469)

This image is courtesy of an Abreview submitted by Dr Ben Davidson

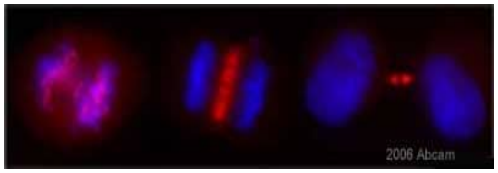
ab469 staining Survivin from Human Ovarian carcionoma tumour tissue sections by Immunohistochemistry (Formalin-fixed paraffin-embedded sections). Heat mediated antigen retrieval was performed (Citrate buffer pH=6, microwave oven) and the tissue was then formaldehyde fixed and blocked (Hydrogen peroxide 0.03%). An HRP conjugated goat anti-rabbit was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody (ab469)

This image is courtesy of William Moore

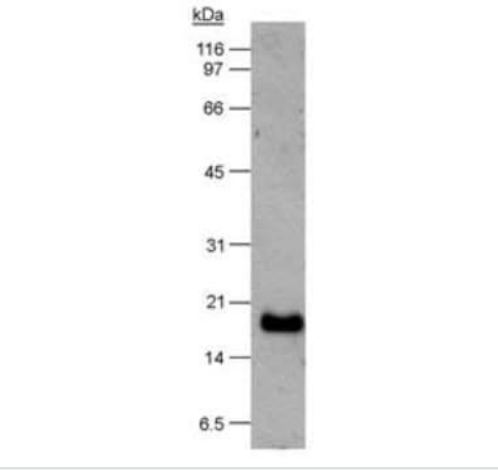
HeLa cells (**ab150035**) in prometaphase, metaphase and anaphase stained with anti-Survivin (green), anti-tubulin (red) and DAPI (blue). These images were kindly supplied as part of the review submitted by William Moore, University of Dundee, UK.



Immunocytochemistry/ Immunofluorescence - Anti-Survivin antibody (ab469)

ab469 at a 1/400 dilution staining HeLa cells by Immunocytochemistry. The antibody was incubated with the cells for 1 hour and then was detected using a Texas Red conjugated Goat anti-rabbit antibody.

This image is courtesy of an Abreview by **Sandrine Ruchaud** submitted on **30 March 2006.**



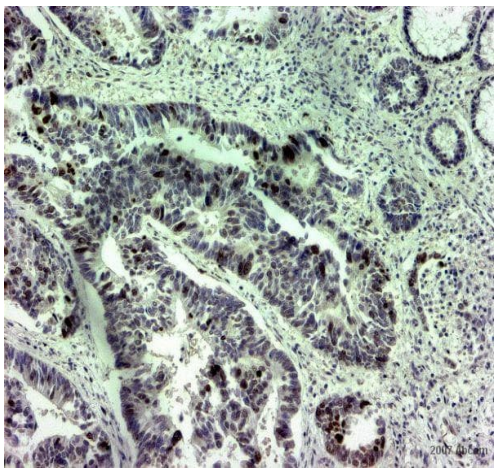
Western blot - Anti-Survivin antibody (ab469)

Anti-Survivin antibody (ab469) at 1 µg/ml + HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 30 µg

Developed using the ECL technique.

Predicted band size: 16 kDa

Exposure time: 1 minute



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Survivin antibody (ab469)

This image is courtesy of an Abreview submitted by Mr. Rudolf Jung.

Paraformaldehyde-fixed, paraffin-embedded human colon carcinoma tissue stained for Survivin using ab469 at 1/500 dilution in immunohistochemical analysis.

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