

Product datasheet

Anti-Survivin antibody ab27468

1 References 2 Images

Overview

Product name	Anti-Survivin antibody
Description	Goat polyclonal to Survivin
Host species	Goat
Tested applications	Suitable for: Sandwich ELISA, ELISA, WB
Species reactivity	Reacts with: Human Predicted to work with: Dog 
Immunogen	Synthetic peptide: (C)VRRAIEQLAAMD , corresponding to C terminal amino acids 131-142 of Human Survivin Run BLAST with Run BLAST with
Positive control	Human T cell line MOLT4 lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab27468** in the following tested applications.

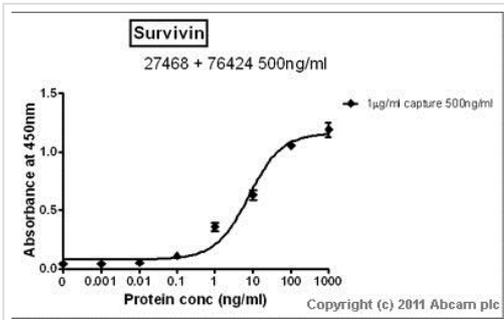
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use a concentration of 1 µg/ml. Can be paired for Sandwich ELISA with Rabbit monoclonal [EP2880Y] to Survivin (ab76424) . For sandwich ELISA, use this antibody as Capture at 1µg/ml with ab76424 as Detection.
ELISA		1/16000.
WB		Use a concentration of 0.01 - 0.5 µg/ml. Detects a band of approximately 18 kDa.

Target

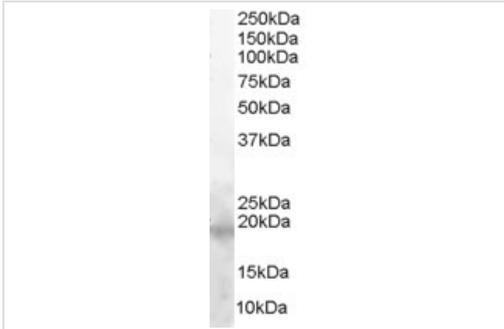
Function	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle 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.
Tissue specificity	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.
Sequence similarities	Belongs to the IAP family. Contains 1 BIR repeat.
Developmental stage	Expression is cell cycle-dependent and peaks at mitosis.
Domain	The BIR repeat is necessary and sufficient for HBXIP binding.
Post-translational modifications	Ubiquitination is required for centrosomal targeting. In vitro phosphorylation at Thr-117 by AURKB/STK12 prevents interaction with INCENP and localization to mitotic chromosomes.
Cellular localization	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.

Images



Sandwich ELISA - Anti-Survivin antibody (ab27468)

Standard curve for Survivin (Analyte: [ab87202](#)); dilution range 1pg/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.



Western blot - Anti-Survivin antibody (ab27468)

Anti-Survivin antibody (ab27468) at 0.01 µg/ml + Molt-4 lysate at 35 µg

Observed band size: 18 kDa

[why is the actual band size different from the predicted?](#)

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