

Survivin ABfinity™ Recombinant Rabbit Monoclonal Antibody - Purified



Catalog no. 700387

(See product label for lot information)

Clone/PAD: 9H18L32
Isotype: IgG
Gene ID: 332
Protein Acc. no.: O15392
Qty: 100 µg
Volume: 200 µl
Concentration: 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Validation

Validated for use in WB and IF

Reactivity

This antibody is specific for human, mouse and rat Survivin

Immunogen

recombinant protein

Immunogen sequence

aminoacids 1-142

Sequence Identity

human

Sequence Homology

Bovine, hamster

Expected Reactivity

Based on sequence identity and similarity, reactivity to bovine and hamster is expected.

Storage

2-8°C for up to 1 month, -20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

Survivin is the smallest member of the Inhibitors of Apoptosis Protein (IAP) gene family and is also known as IAP4. The IAPs are involved in multiple cell functions such as cell signaling, cell division and metabolism (1). It exhibits differential expression in nearly all human cancers, but not in most normal tissues. Survivin has been shown to express in a cell cycle-dependent manner in the G2/M cell cycle and associates with the mitotic apparatus. The expression of surviving has been shown to be down regulated by expression of wild-type p53 (2, 3).

References

1. Guha, M. and Altieri, D.C. (2009) Survivin as a global target of intrinsic tumor suppression networks. *Cell Cycle.*, 8: 2708-2710
2. Hoffman, W.H., Biade, S., Zilfou, J.T., Chen, J. and Murphy, M. (2002) Transcriptional repression of the anti-apoptotic survivin gene by wild type p53. *J. Biol. Chem.*; 277: 3247-3257.
3. Mirza, A., McGuirk, M., Hockenberry, T.N., Wu, Q., Ashar, H., Black, S., Wen, S.F., Wang, L., Kirschmeier, P., Bishop, W.R., Nielsen, L.L., Pickett, C.B., and Liu, S. (2002) Human survivin is negatively regulated by wild-type p53 and participates in p53-dependent apoptotic pathway. *Oncogene*; 21: 2613-2622.

Applications:

Following applications had been tested during development. To make sure the consistency and reliability in the future lots, each lot is tested with antigen ELISA for specificity and potency. Each lot is also tested with SDS-PAGE, to ensure high purity.

	Species	Test Material	Concentration
Western Blotting	human	HEK 293	2-5 µg/ml
Immunofluorescence	human	MCF7	5 µg/ml

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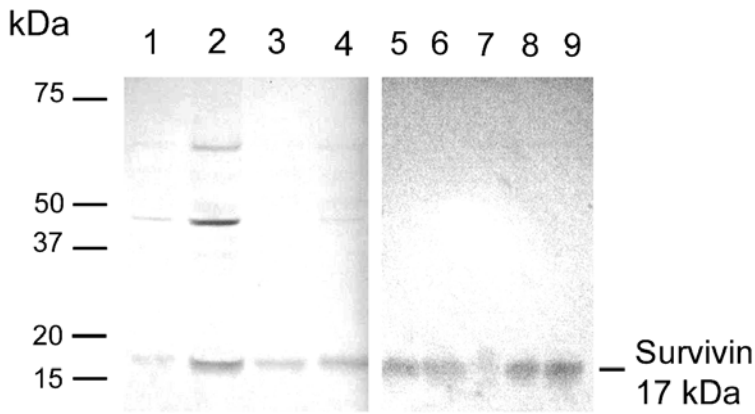
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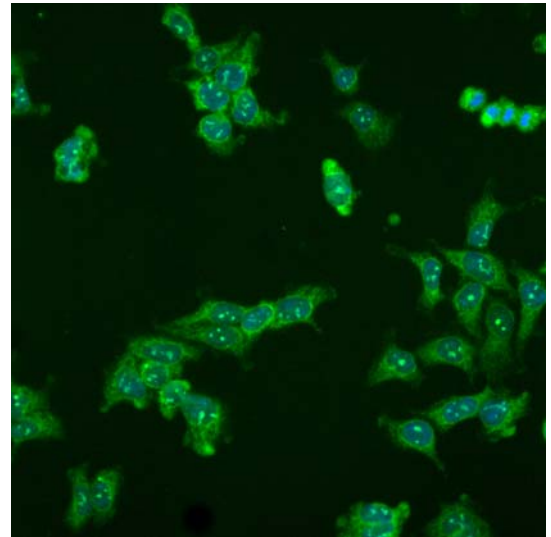
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Western blot of different cell lysates using rabbit anti-Survivin (Cat. No. 700387).

Rabbit anti-Survivin (2 µg/ml) was used to label Survivin in different cell and tissue lysates. Each lane was loaded with 30 µg of lysate. The following lysates were loaded: HeLa (1), Jurkat (2), A431 (3), HEK 293 (4), ms kidney (5), ms liver (6), ms testis (7), rat kidney (8), rat testis (9). The western was performed using the WesternBreeze® kit with NBT/BCIP as the substrate (Cat. No. WB7105).



Immunocytochemistry of MCF7 cells labeled with rabbit anti-Survivin (Cat. No. 700387).

MCF7 cells were labeled with rabbit anti-Survivin (5 µg/ml) using Alexa Fluor® 488 goat anti-rabbit as the secondary antibody (Cat. No. A11008), at a 1:1000 dilution. Cells were fixed using 4% paraformaldehyde. The cytoplasmic as well as nuclear localization of Securin is shown in green, while nuclei were stained using SlowFade® GOLD with DAPI (Cat. No. S36938), shown in blue.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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