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Datasheet for ABIN7145207

## anti-Survivin antibody (AA 1-130)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	Survivin (BIRC5)
Binding Specificity:	AA 1-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Survivin antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

#### Product Details

Immunogen:	Recombinant Human Baculoviral IAP repeat-containing protein 5 protein (1-130AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

#### Target Details

Target:	Survivin (BIRC5)
Alternative Name:	BIRC5 ( <a href="#">BIRC5 Products</a> )
Background:	Background: Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. Component of a chromosome passage protein complex (CPC) which is

## Target Details

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essential for chromosome alignment and segregation during mitosis and cytokinesis. Acts as an important regulator of the localization of this complex, directs CPC movement to different locations from the inner centromere during prometaphase to midbody during cytokinesis and participates in the organization of the center spindle by associating with polymerized microtubules. Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at 'Thr-3' (H3pT3) during mitosis. 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 counteract a default induction of apoptosis in G2/M phase. The acetylated form represses STAT3 transactivation of target gene promoters. May play a role in neoplasia. Inhibitor of CASP3 and CASP7. 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.

Aliases: API4 antibody, Apoptosis inhibitor 4 antibody, Apoptosis inhibitor survivin antibody, Apoptosis inhibitor4 antibody, Baculoviral IAP repeat containing 5 antibody, Baculoviral IAP repeat containing protein 5 antibody, Baculoviral IAP repeat-containing protein 5 antibody, BIRC 5 antibody, BIRC5 antibody, BIRC5\_HUMAN antibody, EPR 1 antibody, IAP4 antibody, Survivin variant 3 alpha antibody, SVV antibody, TIAP antibody

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UniProt: [O15392](#)

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Pathways: [Apoptosis](#), [Cell Division Cycle](#), [Nuclear Hormone Receptor Binding](#)

## Application Details

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Application Notes: Recommended dilution: IF:1:50-1:500,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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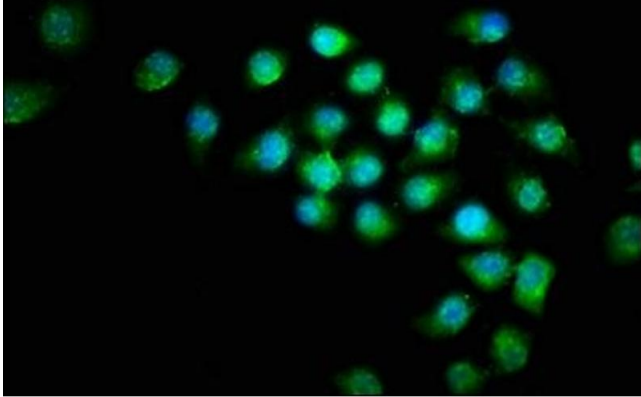
## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

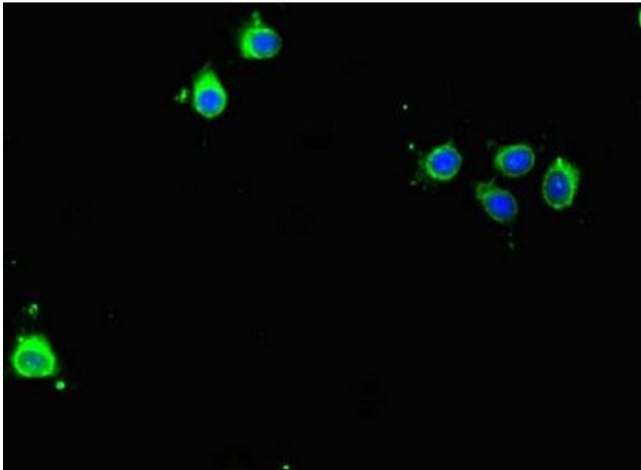
## Images

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### Immunofluorescence

**Image 1.** Immunofluorescence staining of A549 cells with ABIN7145207 at 1:266, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of HeLa cells using ABIN7145207 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)