10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Survivin Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11507

Specification

Survivin Antibody - Product Information

Application	**WB**
Primary Accession	O70201
Other Accession	NP_033819
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16298**

Survivin Antibody - Additional Information

Gene ID 11799

Other Names
BIRC5, IAP4 , API4, SVV , EPR-1

Target/Specificity
Survivin/TIAP

Formulation
100 µg (0.2 mg/ml) affinity-purified rabbit anti-Survivin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

Handling
The antibody solution should be gently mixed before use.

Background Descriptions

Precautions
Survivin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Survivin Antibody - Protein Information

Name Birc5

Synonyms Api4, Iap4

Function
Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis (PubMed:25778398). Component of a chromosome passage protein complex (CPC) which is essential for chromosome

alignment and segregation during mitosis and cytokinesis (By similarity). 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 (By similarity). Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at 'Thr-3' (H3pT3) during mitosis (By similarity). 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 (By similarity). May counteract a default induction of apoptosis in G2/M phase (By similarity). The acetylated form represses STAT3 transactivation of target gene promoters (By similarity). May play a role in neoplasia. Inhibitor of CASP3 and CASP7 (By similarity). Essential for the maintenance of mitochondrial integrity and function (PubMed:25778398).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:O15392}. Nucleus {ECO:0000250|UniProtKB:O15392}. Chromosome {ECO:0000250|UniProtKB:O15392}. Chromosome, centromere {ECO:0000250|UniProtKB:O15392}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:O15392}. Chromosome, centromere, kinetochore {ECO:0000250|UniProtKB:O15392}. Midbody {ECO:0000250|UniProtKB:O15392} Note=Localizes at the centromeres from prophase to metaphase, at the spindle midzone during anaphase and a the midbody during telophase and cytokinesis. Accumulates in the nucleus upon treatment with leptomycin B (LMB), a XPO1/CRM1 nuclear export inhibitor (By similarity) Localizes on chromosome arms and inner centromeres from prophase through metaphase. Localizes to kinetochores in metaphase, distributes to the midzone microtubules in anaphase and at telophase, localizes exclusively to the midbody. Colocalizes with AURKB at mitotic chromosomes. Acetylation at Lys-129 directs its localization to the nucleus by enhancing homodimerization and thereby inhibiting XPO1/CRM1- mediated nuclear export (By similarity). {ECO:0000250|UniProtKB:E3SCZ8, ECO:0000250|UniProtKB:O15392}

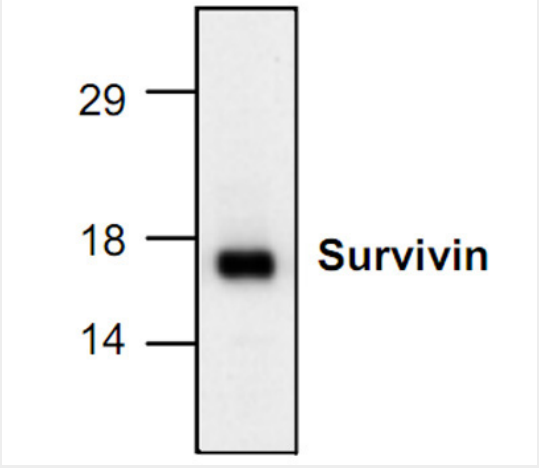
Survivin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Survivin Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Survivin Antibody - Background

Survivin is a newly described apoptosis inhibitor that is expressed in many human cancers, but undetectable in terminally differentiated adult tissues. It has been shown that recombinant expression of Survivin conteracts apoptosis of B lymphocyte precursors deprived of interleukin 3 (IL-3), s µggesting a potential role of Survivin in cancer therapy. Survivin interacts with the processed form of caspase-3 and inhibits its proteolytic activity.