

Rabbit anti-Mouse, Rat Survivin Monoclonal Antibody | anti-Birc5 antibody

Anti-Survivin Rabbit Monoclonal Antibody

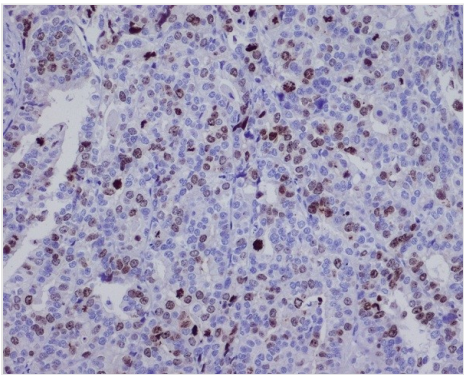
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46939	Rabbit	Mouse, Rat	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

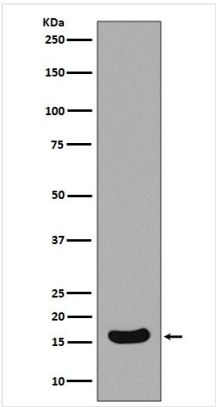
Survivin; Monoclonal Antibody; Anti-Survivin Rabbit Monoclonal Antibody; Baculoviral IAP repeat-containing protein 5; Apoptosis inhibitor 4; Apoptosis inhibitor survivin; TIAP; Birc5; Api4; Iap4; anti-Birc5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	40
Applicable Applications for anti-Birc5 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	A synthesized peptide derived from human Survivin
Subcellular Localization	Cytoplasm. Nucleus. Chromosome. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Midbody. 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).
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human ovarian cancer, using Survivin Antibody(AAA46939)Birc5 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Birc5 Antibody (AAA46939)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Western blot analysis of Survivin expression in Neuro-2a cell lysate (AAA46939).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Birc5 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Birc5

ADDITIONAL INFORMATION

Related Product Information for anti-Birc5 antibody	Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. Component of a chromosome passage protein complex (CPC) which is 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. 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 (By similarity).
Product Categories/Family for anti-Birc5 antibody	Cell Biology; Apoptosis; Intracellular; Survivin/IAPS; Epigenetics and Nuclear Signaling; Chromosome Structure; Chromosome; Scaffold Proteins; Cell Cycle; Nuclear; Transcription; Transcription Factors; Cell Biology; Cell Division; Other Cell Division Anti

NCBI AND UNIPROT INFORMATION

NCBI GI #	59859890
NCBI GeneID	11799
NCBI Accession #	NP_001012273.1
NCBI GenBank Nucleotide #	NP_001012273.1
UniProt Accession #	O70201; Q923F7; Q9WU53; Q9WU54
Molecular Weight	16298 MW
NCBI Official Full Name	baculoviral IAP repeat-containing protein 5 isoform 3
UniProt Protein Name	Baculoviral IAP repeat-containing protein 5
UniProt Gene Name	Birc5
UniProt Synonym Gene Names	Api4; lap4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/survivin-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/46939>