

Mouse anti-Human Survivin Monoclonal Antibody | anti-BIRC5 antibody

Survivin (Apoptosis Inhibitor 4, API4, Apoptosis Inhibitor Survivin, Baculoviral IAP Repeat Containing Protein 5, BIRC5, EPR-1, IAP4) (HRP)

CATALOG # AAA25562	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunoprecipitation, Western Blot
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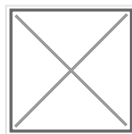
PRODUCT SYNONYMS

Survivin; Monoclonal Antibody; Survivin (Apoptosis Inhibitor 4; API4; Apoptosis Inhibitor Survivin; Baculoviral IAP Repeat Containing Protein 5; BIRC5; EPR-1; IAP4) (HRP); anti-BIRC5 antibody

PRODUCT SPECIFICATIONS

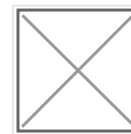
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5B10
Specificity	Recognizes human BIRC5.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-BIRC5 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-100 from human BIRC5 (NP_001159) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MGAPTLPPAWQPFLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQCFFCFKELEGWEPDDDDPIEEHKKHSSGCAFLSVKKQFEELTLG
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western blot analysis of BIRC5 over-expressed 293 cell line, cotransfected with BIRC5 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with BIRC5 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data

Detection limit for recombinant GST tagged BIRC5 is ~0.03ng/ml as a capture antibody.

**IP (Immunoprecipitation)**

Immunoprecipitation of BIRC5 transfected lysate using BIRC5 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with BIRC5 rabbit polyclonal antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to BIRC5 on HeLa cell. [antibody concentration 10ug/ml].

**WB (Western Blot)**

Western Blot analysis of BIRC5 expression in transfected 293T cell line by BIRC5 monoclonal antibody. Lane 1: BIRC5 transfected lysate (16.4kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**

Western Blot detection against Immunogen (36.74kD).

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. 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.
Product Categories/Family for anti-BIRC5 antibody	Antibodies ; Apoptosis
References	1. Survivin expression induced by endothelin-1 promotes myofibroblast resistance to apoptosis. Horowitz JC, Ajayi IO, Kulasekaran P, Rogers DS, White JB, Townsend SK, White ES, Nho RS, Higgins PD, Huang SK, Sisson TH. Int J Biochem Cell Biol. 2011 Oct 25. 2. The Closely Related RNA helicases, UAP56 and URH49, Preferentially Form Distinct mRNA Export Machineries and Coordinately Regulate Mitotic Progression. Yamazaki T, Fujiwara N, Yukinaga H, Ebisuya M, Shiki T, Kurihara T, Kioka N, Kambe T, Nagao M, Nishida E, Masuda S. Mol Biol Cell. 2010 Aug 15;21(16):2953-65. Epub 2010 Jun 23.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59859878
NCBI GeneID	332
NCBI Accession #	NP_001159
NCBI GenBank Nucleotide #	NM_001168
UniProt Accession #	O15392 ; Q2I3N8 ; Q4VGX0 ; Q53F61 ; Q5MGC6 ; Q6FHL2 ; Q75SP2 ; Q9P2W8 ; A2SUH6 ; B2R4R1
Molecular Weight	17 kDa
NCBI Official Full Name	baculoviral IAP repeat-containing protein 5 isoform 1
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 5
NCBI Official Symbol	BIRC5
NCBI Official Synonym Symbols	API4; EPR-1
NCBI Protein Information	baculoviral IAP repeat-containing protein 5; apoptosis inhibitor 4; survivin variant 3 alpha; apoptosis inhibitor survivin
UniProt Protein Name	Baculoviral IAP repeat-containing protein 5

UniProt Gene Name	BIRC5
UniProt Synonym Gene Names	API4; IAP4
UniProt Entry Name	BIRC5_HUMAN

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-clone-5b10-immunoprecipitation-western-blot-elisa/25562>