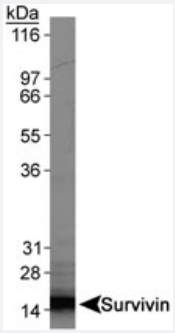
BIRC5 monoclonal antibody, clone 60.11

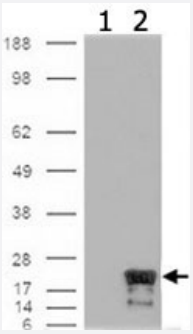
Catalog # MAB2366 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of BIRC5 in HeLa whole cell extract using BIRC5 monoclonal antibody, clone 60.11 (Cat # MAB2366).



Western Blot (Transfected lysate)

Western blot analysis of BIRC5 on cells that were transfected with the pCMV6-ENTRY control (1) or pCMV6-ENTRY BIRC5 cDNA for 48 hrs and lysed (2) using BIRC5 monoclonal antibody, clone 60.11 (Cat # MAB2366). Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BIRC5.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant BIRC5.
Immunogen	Recombinant protein corresponding to full length human BIRC5.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to the cytoplasmic form of survivin. The epitope recognized is between amino acids 57-67.
Form	Liquid

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Isotype	IgG2a, kappa
Recommend Usage	Immunocytochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western blot analysis of BIRC5 in HeLa whole cell extract using BIRC5 monoclonal antibody, clone 60.11 (Cat # MAB2366).
- Western Blot (Transfected lysate)

  Western blot analysis of BIRC5 on cells that were transfected with the pCMV6-ENTRY control (1) or pCMV6-ENTRY BIRC5 cDNA for 48 hrs and lysed (2) using BIRC5 monoclonal antibody, clone 60.11 (Cat # MAB2366). Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BIRC5.

Gene Info — BIRC5

Entrez GeneID	332
Protein Accession#	O15392
Gene Name	BIRC5
Gene Alias	API4, EPR-1
Gene Description	baculoviral IAP repeat-containing 5
Omim ID	603352
Gene Ontology	Hyperlink

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Gene Summary	This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors yet low in adult tissues. Antisense transcripts are involved in the regulation of this gene's expression. At least four transcript variants encoding distinct isoforms have been found for this gene, but the full-length natures of only three of them have been determined. [provided by RefSeq
Other Designations	apoptosis inhibitor 4|baculoviral IAP repeat-containing protein 5|survivin variant 3 alpha

Publication Reference

- Mitochondrial targeting of adenomatous polyposis coli protein is stimulated by truncating cancer mutations: regulation of Bcl-2 and implications for cell survival.

  Brocardo M, Lei Y, Tighe A, Taylor SS, Mok MT, Henderson BR.

  The Journal of Biological Chemistry 2008 Feb; 283(9):5950.

- The tumor gene survivin is highly expressed in adult renal tubular cells: implications for a pathophysiological role in the kidney.

  Lechler P, Wu X, Bernhardt W, Campean V, Gastiger S, Hackenbeck T, Klanke B, Weidemann A, Warnecke C, Amann K, Engehausen D, Willam C, Eckardt KU, Rodel F, Wiesener MS.

  The American Journal of Pathology 2007 Nov; 171(5):1483.

  Application: IF, IHC-P, WB-Ti, Human, Mouse, Rat, Human kidney, renal tumors, Mouse kidney, Rat kidney

- Expression of survivin and its splice variants survivin-2B and survivin-DeltaEx3 in breast cancer.

  Ryan B, O'Donovan N, Browne B, O'Shea C, Crown J, Hill AD, McDermott E, O'Higgins N, Duffy MJ.

  British Journal of Cancer 2005 Jan; 92(1):120.

- Promyelocytic leukemia protein 4 induces apoptosis by inhibition of survivin expression.

  Xu ZX, Zhao RX, Ding T, Tran TT, Zhang W, Pandolfi PP, Chang KS.

  The Journal of Biological Chemistry 2004 Jan; 279(3):1838.

  Application: IF, WB, Human, Mouse, A-549, NB4, U-2 OS cells, MEFs

- Survivin expression in mouse skin prevents papilloma regression and promotes chemical-induced tumor progression.

  Allen SM, Florell SR, Hanks AN, Alexander A, Diedrich MJ, Altieri DC, Grossman D.

  Cancer Research 2003 Feb; 63(3):567.

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Pathway

- Colorectal cancer
- Pathways in cancer

Disease

- Adenocarcinoma
- Carcinoma
- Cell Transformation
- Colorectal Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Lymphatic Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Pancreatic Neoplasms
- Papillomavirus Infections
- Stomach Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms

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