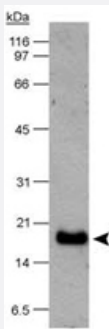


BIRC5 polyclonal antibody

Catalog # PAB12470 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of BIRC5 in HeLa whole cell lysate (30 ug) using BIRC5 polyclonal antibody (Cat # PAB12470) at 1 ug/mL (1 minute exposure).

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant BIRC5.
Immunogen	Recombinant protein corresponding to full length human BIRC5.
Host	Rabbit
Reactivity	Cat, Dog, Human, Mouse, Rat
Specificity	This antibody is specific to survivin.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ChIP (1:50-1:500) Immunocytochemistry (1:50-1:500) Immunofluorescence (1:50-1:500) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:500) Immunoprecipitation (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.05% 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of BIRC5 in HeLa whole cell lysate (30 ug) using BIRC5 polyclonal antibody (Cat # PAB12470) at 1 ug/mL (1 minute exposure).

- Immunofluorescence

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](#)**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

- [Mitotic deregulation by survivin in ErbB2-overexpressing breast cancer cells contributes to Taxol resistance.](#)

Lu J, Tan M, Huang WC, Li P, Guo H, Tseng LM, Su XH, Yang WT, Treekitkammongkol W, Andreeff M, Symmans F, Yu D.
Clinical Cancer Research 2009 Feb; 15(4):1326.

- [Impaired insulin-mediated vasorelaxation in diabetic Goto-Kakizaki rats is caused by impaired Akt phosphorylation.](#)

Lee JH, Palaia T, Ragolia L.
American Journal of Physiology. Cell Physiology 2009 Feb; 296(2):C327.

- [Molecularly targeted radiosensitization of human prostate cancer by modulating inhibitor of apoptosis.](#)

Dai Y, Liu M, Tang W, DeSano J, Burstein E, Davis M, Pienta K, Lawrence T, Xu L.
Clinical Cancer Research 2008 Dec; 14(23):7701.

Application: WB-Ce, Human, DU-145, PC-3, PrEC, WI-38 cells

- [Cyclic nucleotide phosphodiesterase profiling reveals increased expression of phosphodiesterase 7B in chronic lymphocytic leukemia.](#)

Zhang L, Murray F, Zahno A, Kanter JR, Chou D, Suda R, Fenlon M, Rassenti L, Cottam H, Kipps TJ, Insel PA.
PNAS 2008 Dec; 105(49):19532.

Application: WB-Ce, Human, CLL cell from patients with chronic lymphocytic leukemia (CLL)

- [BKM1740, an acyl-tyrosine bisphosphonate amide derivative, inhibits the bone metastatic growth of human prostate cancer cells by inducing apoptosis.](#)

Seo SI, Gera L, Zhau HE, Qian WP, Iqbal S, Johnson NA, Zhang S, Zayzafoon M, Stewart J, Wang R, Chung LW, Wu D.
Clinical Cancer Research 2008 Oct; 14(19):6198.

Application: IHC-P, WB, Human, Human prostate cancer, Human prostate tumor xenografts in mouse bone

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](#)
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- [Uterine Cervical Neoplasms](#)