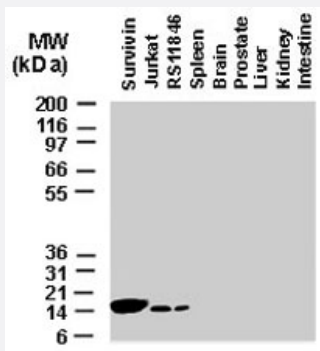


# BIRC5 polyclonal antibody

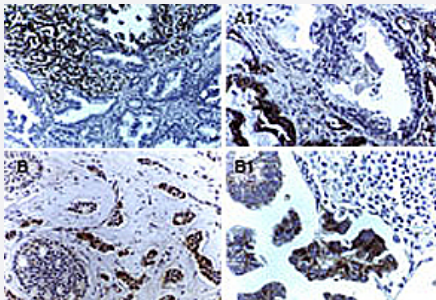
Catalog # PAB0272 Size 50 uL

## Applications



### Western Blot

Western blot analysis of BIRC5. Using BIRC5 polyclonal antibody (Cat # PAB0272) at 1 : 2000. BIRC5 was detected in the two tumor cell lines, Jurkat (T cell lymphoma) and RS11846 (non-Hodgkin's lymphoma), but not in lysates from normal tissues. BIRC5 RP, full-length recombinant human BIRC5 protein was used as a positive control.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of BIRC5 in formalin-fixed, paraffin-embedded human prostate and breast cancer. Using BIRC5 polyclonal antibody (Cat # PAB0272) at 1 : 2000. A and A1, prostate cancer at low and high magnification, respectively. B and B1, breast cancer. B1 is a high magnification of an area of metastasis. Hematoxylin-eosin counterstain.

## Specification

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Product Description | Rabbit polyclonal antibody raised against full length recombinant BIRC5. |
| Immunogen           | Recombinant protein corresponding to full length human BIRC5.            |
| Host                | Rabbit                                                                   |
| Reactivity          | Gerbils, Human, Mouse, Rat                                               |
| Form                | Liquid                                                                   |
| Recommend Usage     | The optimal working dilution should be determined by the end user.       |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In serum (0.05% sodium azide)                                                                                          |
| Storage Instruction | Store at -20°C.<br>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

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- Immunohistochemistry (Frozen sections)

- Immunoprecipitation

## Gene Info — BIRC5

|                  |                                     |
|------------------|-------------------------------------|
| Entrez GeneID    | <a href="#">332</a>                 |
| Gene Name        | BIRC5                               |
| Gene Alias       | API4, EPR-1                         |
| Gene Description | baculoviral IAP repeat-containing 5 |
| Omim ID          | <a href="#">603352</a>              |
| Gene Ontology    | <a href="#">Hyperlink</a>           |

## 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 nature 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

- [URH49 exports mRNA by remodeling complex formation and mediating the NXF1-dependent pathway.](#)

Fujita KI, Yamazaki T, Harada K, Seno S, Matsuda H, Masuda S.

Biochimica et Biophysica Acta. Gene Regulatory Mechanisms 2020 Feb; 1863(2):194480.

Application: WB, Human, MCF-7 cells

- [Survivin and heat shock protein 25/27 colocalize with cleaved caspase-3 in surviving reactive astrocytes following excitotoxicity to the immature brain.](#)

Villapol S, Acarin L, Faiz M, Castellano B, Gonzalez B.

Neuroscience 2008 Feb; 153(1):108.

## 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](#)