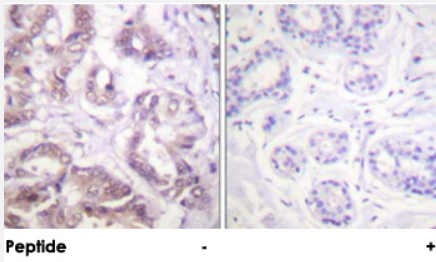


BIRC5 polyclonal antibody

Catalog # PAB18223 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BIRC5 polyclonal antibody (Cat # PAB18223).

Peptide "+" means "peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of BIRC5.

Immunogen A synthetic peptide corresponding to human BIRC5.

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This antibody is specific to BIRC5.

Form Liquid

Purification Affinity purification

Concentration 1 mg/mL

Recommend Usage Immunohistochemistry (1:50-1:100)
ELISA (1:5000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°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

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BIRC5 polyclonal antibody (Cat # PAB18223).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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

- [Survivin identifies keratinocyte stem cells and is downregulated by anti-beta1 integrin during anoikis.](#)

Marconi A, Dallaglio K, Lotti R, Vaschieri C, Truzzi F, Fantini F, Pincelli C.

Stem Cells 2007 Jan; 25(1):149.

Application: IF, IHC-P, WB, Human, Human keratinocyte, Skin

- [Survivin-directed RNA interference cocktail is a potent suppressor of tumour growth in vivo.](#)

Caldas H, Holloway MP, Hall BM, Qualman SJ, Altura RA.

Journal of Medical Genetics 2006 Feb; 43(2):119.

Application: IHC-P, WB-Tr, Human, Human rhabdomyosarcoma, RMS cells

- [Survivin enhances Fas ligand expression via up-regulation of specificity protein 1-mediated gene transcription in colon cancer cells.](#)

Asanuma K, Tsuji N, Endoh T, Yagihashi A, Watanabe N.

Journal of Immunology 2004 Mar; 172(6):3922.

Application: IHC, WB-Tr, Human, Human colon cancers, LS180, SW480 cells

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](#)