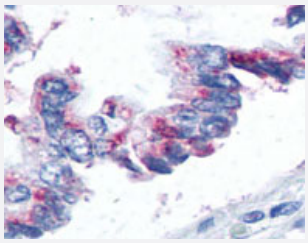
BIRC5 monoclonal antibody, clone 32.1

Catalog # MAB2365 Size 100 uL

Applications



Immunohistochemistry

Staining of human lung, cancer using BIRC5 monoclonal antibody, clone 32.1 (Cat # MAB2365).

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
Specificity	This antibody is specific to the nuclear form of survivin. The epitope recognized is between amino acids 3-19.
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)

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

  Staining of human lung, cancer using BIRC5 monoclonal antibody, clone 32.1 (Cat # MAB2365).
- Immunofluorescence
- Western Blot

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 reg ulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple bac ulovirus 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 durin g 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 isofor ms have been found for this gene, but the full-length natures of only three of them have been deter mined. [provided by RefSeq
Other Designations	apoptosis inhibitor 4|baculoviral IAP repeat-containing protein 5|survivin variant 3 alpha

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Publication Reference

- Long non?coding RNA AK001796 contributes to cisplatin resistance of non?small cell lung cancer.

  Bin Liu, Chun-Feng Pan, Teng Ma, Jun Wang, Guo-Liang Yao, Ke Wei, Yi-Jiang Chen

  Mol Med Rep 2017 Oct; 16(4):4107-4112.

  Application: WB

- Emerging role for autophagy in the removal of aggresomes in Schwann cells.

  Fortun J, Dunn WA Jr, Joy S, Li J, Notterpek L.

  The Journal of Neuroscience 2003 Nov; 23(33):10672.

- Regulation of microtubule stability and mitotic progression by survivin.

  Giodini A, Kallio MJ, Wall NR, Gorbsky GJ, Tognin S, Marchisio PC, Symons M, Altieri DC.

  Cancer Research 2002 May; 62(9):2462.

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

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- Lung Neoplasms
- Lymphatic Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Pancreatic Neoplasms
- Papillomavirus Infections
- Stomach Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms

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