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Datasheet

BIRC5 monoclonal antibody, clone 60.11

Catalog Number: MAB2366

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against full length recombinant BIRC5.

Clone Name: 60.11

Immunogen: Recombinant protein corresponding to full length human BIRC5.

Host: Mouse

Reactivity: Human,Mouse,Rat

Applications: ICC, IF, IHC, WB-Ce, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody is specific to the cytoplasmic form of survivin. The epitope recognized is between amino acids 57-67.

Form: Liquid

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 (0.1% sodium azide)

Storage Instruction: Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 332

Gene Symbol: BIRC5

Gene Alias: API4, EPR-1

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]

References:

1. 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. J Biol Chem. 2008 Feb 29;283(9):5950-9. Epub 2007 Dec 26.
2. 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. Am J Pathol. 2007 Nov;171(5):1483-98.
3. 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. Br J Cancer. 2005 Jan 17;92(1):120-4.