



BIRC6, Baculoviral IAP repeat-containing 6 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-10436
Animal ID	RB1797-1798
Host	Rabbit
Reactivity	Human
Format	Serum
Accession number	NM_016252
Amount	100µl

Alternative Name(s):

baculoviral IAP repeat-containing protein 6, apollon, KIAA1289

Baculoviral IAP repeat-containing 6 (BIRC6), also called Apollon, is a member of a family of proteins that inhibit apoptosis, probably by interfering with activation of ICE-like proteases. Apollon, a human homolog of BRUCE, is a huge protein of 530 kDa that contains a single BIR domain and a ubiquitin-conjugating enzyme domain. Apollon is expressed in four of six brain cancers (gliomas), and one of five ovarian cancers in a variety of human cancer cell lines. Brain cancer cell lines that express apollon at high levels, shows resistance against various anticancer drugs. E.g., treating SNB-78 cells with antisense oligonucleotide against apollon reduces the expression of apollon significantly which in turn sensitize the cells to apoptosis induced by cisplatin and camptothecin. Thus, apollon might protect cancer cells from undergoing apoptosis and, at least in part, play a role in tumorigenesis and drug resistance.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

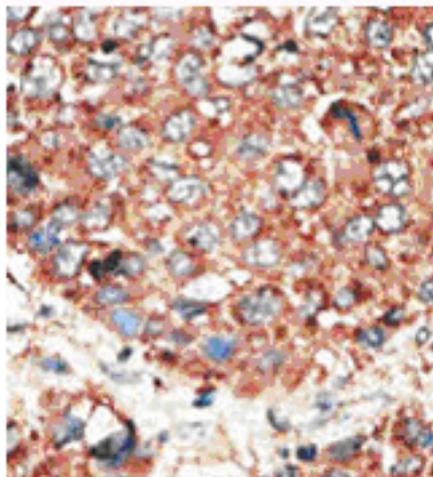
KLH conjugated synthetic peptide comprised of amino acids 37 - 52 [CDADGLHLSLSYHPALN] of the human baculoviral IAP repeat-containing 6 (BIRC6) protein.

Application

Tested by peptide-specific ELISA (1:1,000). IHC (1:50 ~1:100)

References:

1. Nagase T, Ishikawa K, Kikuno R, Hirose M, Nomura N, Ohara O: Prediction of the coding sequences of unidentified human genes. XV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 6(5): 337-345 (1999).
2. Chen Z, Naito M, Hori S, Mashima T, Yamori T, Tsuruo T: A human IAP-family gene, apollon, expressed in human brain cancer cells. Biochem. Biophys. Res. Commun. 264(3): 847-854 (1999).



Human Hepatocarcinoma

Storage

Store at -20°C. Avoid repeated freeze-thaw cycles.