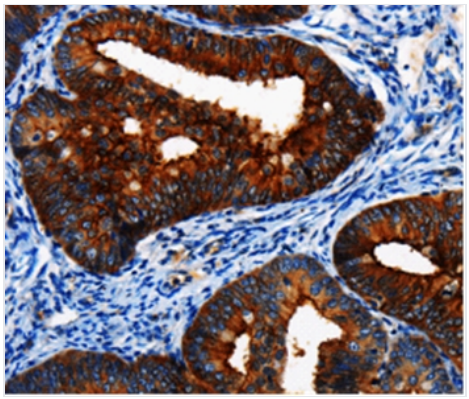
BIRC6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BIRC6, Polyclonal Antibody
Full Product Name	BIRC6 Antibody
Product Gene Name	anti-BIRC6 antibody
Product Synonym Names	BRUCE; APOLLON
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.1 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total BIRC6 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	530,255 Da
OMIM	605638
3D Structure	ModBase 3D Structure for Q9NR09
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human Baculoviral IAP repeat-containing protein 6
Target Name	BIRC6
Product Categories/Family for anti-BIRC6 antibody	Total protein Ab
Applications Tested/Suitable for anti-BIRC6 antibody	Immunohistochemistry (IHC)
Application Notes for anti-BIRC6 antibody	Immunohistochemistry: 1:10-1:50
Related Product Information for anti-BIRC6 antibody	This gene encodes a protein with a BIR (baculoviral inhibition of apoptosis protein repeat) domain and a UBCc (ubiquitin-conjugating enzyme E2, catalytic) domain. This protein inhibits apoptosis by facilitating the degradation of apoptotic proteins by ubiquitination.
Other Notes	Small volumes of anti-BIRC6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BIRC6 purchase	MBS9403858 is an antibody targeting BIRC6. Also known as BIRC6 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-BIRC6 antibody
Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using at dilution 1/7.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BIRC6. It may not necessarily be applicable to this product.

NCBI GI #	153792694
NCBI GeneID	57448
NCBI Accession #	NP_057336.3
UniProt Primary Accession #	Q9NR09
UniProt Secondary Accession #	Q9ULD1
UniProt Related Accession #	Q9NR09
GenBank Nucleotide #	NM_016252.3
NCBI Official Full Name	baculoviral IAP repeat-containing protein 6
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 6
NCBI Official Symbol	BIRC6
NCBI Official Synonym Symbols	BRUCE; APOLLON
UniProt Protein Name	Baculoviral IAP repeat-containing protein 6
UniProt Synonym Protein Names	BIR repeat-containing ubiquitin-conjugating enzyme; BRUCE; Ubiquitin-conjugating BIR domain enzyme apollon; APOLLON
Protein Family	Baculoviral IAP repeat-containing protein
UniProt Gene Name	BIRC6
UniProt Synonym Gene Names	KIAA1289; BRUCE; APOLLON
UniProt Entry Name	BIRC6_HUMAN
NCBI Protein Information	baculoviral IAP repeat-containing protein 6

UniProt Comments for BIRC6	BIRC6: Anti-apoptotic protein which can regulate cell death by controlling caspases and by acting as an E3 ubiquitin-protein ligase. Has an unusual ubiquitin conjugation system in that it could combine in a single polypeptide, ubiquitin conjugating (E2) with ubiquitin ligase (E3) activity, forming a chimeric E2/E3 ubiquitin ligase. Its tragets include CASP9 and DIABLO/SMAC. Acts as an inhibitor of CASP3, CASP7 and CASP9. Important regulator for the final stages of cytokinesis. Crucial for normal vesicle targeting to the site of abscission, but also for the integrity of the midbody and the midbody ring, and its striking ubiquitin modification. Homodimer. Binds the activated, processed forms of CASP3, CASP6, CASP7 and CASP9. Interacts with RNF41, DIABLO/SMAC, HTRA2, KIF23/MKLP1, USP8/UBPY, BIRC5/survivin, MAP2K1/MEK1, RAB8A/RAB8, RAB11A/RAB11, PLK1, EXOC3/SEC6 and EXOC4/SEC8. Expressed in brain cancer cells. Inhibited by DIABLO/SMAC, HTRA2, CASP3, CASP6, CASP7 and CASP9. Protein type: Ubiquitin conjugating system; Ubiquitin ligase; EC 6.3.2.19; EC 6.3.2.- Chromosomal Location of Human Ortholog: 2p22.3 Cellular Component: spindle pole; membrane; microtubule organizing center; midbody; trans-Golgi network; endosome Molecular Function: protein binding; ubiquitin-protein ligase activity; cysteine protease inhibitor activity; ligase activity Biological Process: mitosis; apoptosis; cell division; positive regulation of cell proliferation; protein ubiquitination; protein amino acid phosphorylation; regulation of cytokinesis; negative regulation of apoptosis; regulation of cell proliferation
Research Articles on BIRC6	**1.** Humanin signaling pathway via htHNR/JAKs/STAT3 increased the expression levels of mRNA and protein of Apollon/Bruce, an unusual member of the inhibitors of apoptosis proteins
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