

Rabbit BIRC6 Polyclonal Antibody | anti-BIRC6 antibody

BIRC6 Antibody

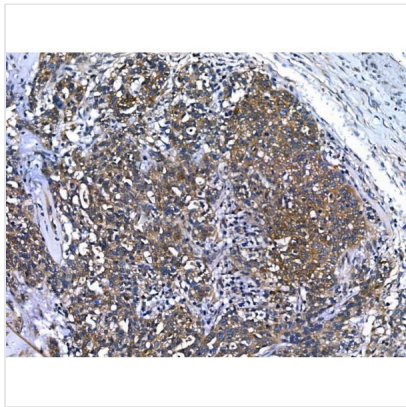
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329042	Rabbit	Human, Mouse Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

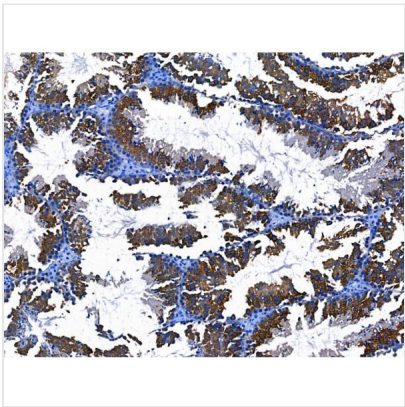
BIRC6; Polyclonal Antibody; BIRC6 Antibody; Apollon; Apollon protein; Baculoviral IAP repeat containing 6; Baculoviral IAP repeat containing protein 6; Baculoviral IAP repeat-containing protein 6; BIR repeat containing ubiquitin conjugating enzyme; BIRC 6; BIRC6_HUMAN; BRUCE; FLJ13726; FLJ13786; KIAA1289; Ubiquitin conjugating BIR domain enzyme apollon; Ubiquitin-conjugating BIR domain enzyme apollon; anti-BIRC6 antibody

PRODUCT SPECIFICATIONS

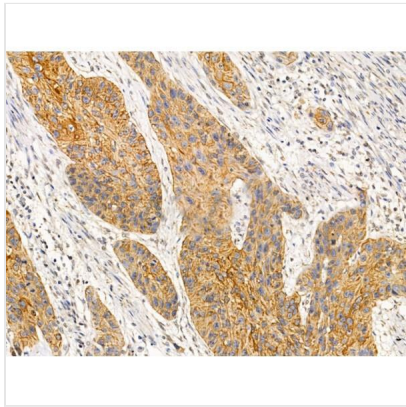
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	BIRC6 Antibody detects endogenous levels of total BIRC6.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	4857
Applicable Applications for anti-BIRC6 antibody	ELISA
Immunogen	A synthesized peptide derived from human BIRC6, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



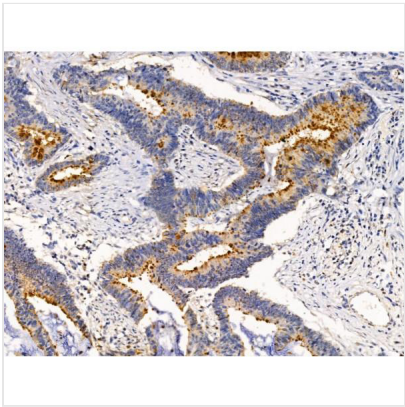
IHC (Immunohistochemistry)
AAA329042 at 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



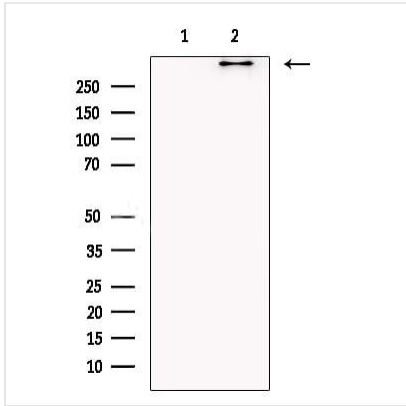
IHC (Immunohistochemistry)
AAA329042 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329042 at 1/100 staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329042 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using BIRC6 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BIRC6 antibody	Function: 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 targets 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. Post Translational Modifications: Ubiquitinated. Ubiquitination is mediated by the RNF41 E3 ligase and leads to proteasomal degradation, impairing inhibition of apoptosis. Deubiquitinated by USP8/UBPY. Subcellular Location: Golgi apparatus>trans-Golgi network membrane. Endosome. Cytoplasm>Cytoskeleton>Spindle pole. Cytoplasm>Cytoskeleton>Microtubule organizing center>Centrosome. Midbody>Midbody ring. Note: Exhibits cell cycle-dependent localization. Concentrates in a pericentriolar compartment in interphase, moves partially to spindle poles in metaphase, and finally localizes to the spindle midzone and the midbody in telophase and during cytokinesis. On the midbody, localizes to the midbody ring, also called Flemming body (PubMed:18329369). In interphase cells, localizes to the trans-Golgi network membrane and endosomes. During cytokinesis, a fraction moves to the midzone where it specifically arrives at the midbody ring. After abscission completion, travels with the midbody remnant into one daughter cell, and remains bound to it until a new midbody ring is formed during the next cell division (PubMed:18329369). Tissue Specificity: Expressed in brain cancer cells. Subunit Structure: 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. Similarity: The BIR domain is essential for its antiapoptotic function and is important for binding to DIABLO/SMAC and CASP9. In the C-terminal section; belongs to the ubiquitin-conjugating enzyme family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153792694
NCBI GeneID	57448
NCBI Accession #	NP_057336
NCBI GenBank Nucleotide #	NP_057336.3
UniProt Accession #	Q9NR09
Molecular Weight	Observed Molecular Weight: (Observed)530kD. Predicted Molecular Weight: (Calculated)530kDa.
NCBI Official Full Name	baculoviral IAP repeat-containing protein 6 isoform 1
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 6
NCBI Official Symbol	BIRC6
NCBI Official Synonym Symbols	BRUCE; APOLLON
NCBI Protein Information	baculoviral IAP repeat-containing protein 6
UniProt Protein Name	Baculoviral IAP repeat-containing protein 6
UniProt Gene Name	BIRC6
UniProt Synonym Gene Names	KIAA1289; BRUCE; APOLLON
UniProt Entry Name	BIRC6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/birc6-antibody-elisa/329042>