

**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3339a****Specification**

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**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O9NR09</a>
Other Accession	<a href="#">NP_057336.3</a> , <a href="#">57448</a> , <a href="#">12211 (mouse)</a> , <a href="#">313876 (rat)</a>
Predicted	Human, Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	530269

**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - Additional Information****Gene ID** 57448**Other Names**

Baculoviral IAP repeat-containing protein 6, 6.3.2.-, BIR repeat-containing ubiquitin-conjugating enzyme, BRUCE, Ubiquitin-conjugating BIR domain enzyme apollon, APOLLON, BIRC6, KIAA1289

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - Protein Information****Name** BIRC6**Synonyms** KIAA1289**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.

**Cellular 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 Location**

Expressed in brain cancer cells.

**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - Images****BIRC6 / Apollon (aa 4724 -4735) Antibody (internal region) - References**

Apollon gene silencing induces apoptosis in breast cancer cells through p53 stabilisation and caspase-3 activation. Lopergolo A, Pennati M, Gandellini P, Orloff NI, Poma P, Daidone MG, Folini M, Zaffaroni N, British journal of cancer 2009 Mar 100 (5): 739-46. PMID: 19223905