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

Peptide-affinity purified goat antibody
Catalog # AF3339a

Specification

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

Application	**E**
Primary Accession	Q9NR09
Other Accession	NP_057336.3, 57448, 12211 (mouse), 313876 (rat)
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 Cytomety
- 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, Orlotti NI, Poma P, Daidone MG, Folini M, Zaffaroni N, British journal of cancer 2009 Mar 100 (5): 739-46. PMID: 19223905