

ARG63654 anti-BIRC7 / LIVIN antibody

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes BIRC7 / LIVIN |
| Tested Reactivity | Hu |
| Tested Application | WB |
| Specificity | This antibody is expected to recognise both reported isoforms (as represented by NP_647478.1 and NP_071444.1) |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | BIRC7 / LIVIN |
| Species | Human |
| Immunogen | C-RAPVRSRVRT |
| Conjugation | Un-conjugated |
| Alternate Names | p30-Livin; ML-IAP; Baculoviral IAP repeat-containing protein 7; EC 6.3.2.-; RNF50; Melanoma inhibitor of apoptosis protein; Livin; tLivin; Kidney inhibitor of apoptosis protein; Truncated livin; RING finger protein 50; KIAP; MLIAP; LIVIN |

Application Instructions

| | | |
|-------------------|--|---------------|
| Application table | Application | Dilution |
| | WB | 0.3 - 1 µg/ml |
| Application Note | WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 79444 Human](#)

[Swiss-port # Q96CA5 Human](#)

Background

The protein encoded by this gene is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Two transcript variants encoding different isoforms have been found for this gene. The two isoforms have different antiapoptotic properties, with isoform alpha protecting cells from apoptosis induced by staurosporine and isoform b protecting cells from apoptosis induced by etoposide. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody

Calculated Mw

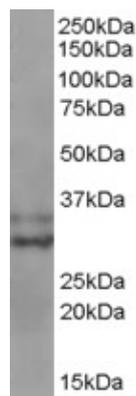
33 kDa

PTM

Autoubiquitinated and undergoes proteasome-mediated degradation.

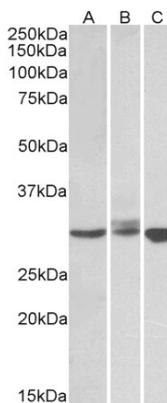
The truncated protein (tLivin) not only loses its anti-apoptotic effect but also acquires a pro-apoptotic effect.

Images



ARG63654 anti-BIRC7 / LIVIN antibody WB image

Western blot: MOLT4 lysate (35 µg protein in RIPA buffer) stained with ARG63654 anti-BIRC7 / LIVIN antibody at 0.3 µg/ml dilution.



ARG63654 anti-BIRC7 / LIVIN antibody WB image

Western blot: Daudi (A), Jurkat (B) and K562 (C) lysates (35 µg protein in RIPA buffer) stained with ARG63654 anti-BIRC7 / LIVIN antibody at 0.5 µg/ml dilution.