

## Mouse BIRC7 Monoclonal Antibody | anti-BIRC7 antibody

BIRC7 antibody

|                               |                      |                                                                                             |
|-------------------------------|----------------------|---------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106323</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|---------------------------------------------------------------------------------------------|

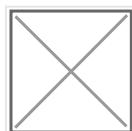
### PRODUCT SYNONYMS

BIRC7; Monoclonal Antibody; BIRC7 antibody; Monoclonal BIRC7; Anti-BIRC7; Baculoviral IAP repeat-containing 7; KIAP; mIAP; RNF50; ml-IAP; Livin; Livin inhibitor of apoptosis isoform alpha; Livin inhibitor of apoptosis isoform alpha Baculoviral IAP repeat containing 7; Baculoviral IAP repeat containing protein 7; BIRC 7; Kidney inhibitor of apoptosis protein; Livin inhibitor of apoptosis; RING finger protein 50; BIRC-7; anti-BIRC7 antibody

### PRODUCT SPECIFICATIONS

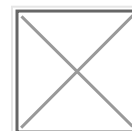
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|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone Number                                    | 1D12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity/Purification                             | BIRC7 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                     | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration                                   | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                 | 280                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-BIRC7 antibody | WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Biological Significance                         | BIRC7 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 zinc finger (RZF) domain. Livin has direct interaction with several caspases including caspase-3, -7, and ?9. This protein inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP. Recombinant human Livin fused to His-tag at N-terminus was expressed in E Coli and purified by conventional chromatography techniques. |
| Cross-Reactivity                                | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                       | BIRC7 antibody was raised in mouse using a full length recombinant protein of human BIRC7 (NP_071444) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                         | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of BIRC7 protein in paraffin embedded Carcinoma of Human liver tissue using BIRC7 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BIRC7 protein (Right) or empty vector (Left) detected with BIRC7 antibody

ADDITIONAL INFORMATION

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| Related Product Information for anti-BIRC7 antibody | Mouse monoclonal BIRC7 antibody |
| Product Categories/Family for anti-BIRC7 antibody   | Cancer                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | 11545910                                                                    |
| NCBI GeneID                      | 79444                                                                       |
| NCBI Accession #                 | NP_071444                                                                   |
| NCBI GenBank Nucleotide #        | NM_022161.2                                                                 |
| UniProt Accession #              | Q96CA5; Q9BQV0; Q9H2A8; Q9HAP7                                              |
| Molecular Weight                 | 30,866 Da                                                                   |
| NCBI Official Full Name          | baculoviral IAP repeat-containing protein 7 isoform beta                    |
| NCBI Official Synonym Full Names | baculoviral IAP repeat containing 7                                         |
| NCBI Official Symbol             | BIRC7                                                                       |
| NCBI Official Synonym Symbols    | KIAP; LIVIN; MLIAP; RNF50; ML-IAP                                           |
| NCBI Protein Information         | baculoviral IAP repeat-containing protein 7                                 |
| UniProt Protein Name             | Baculoviral IAP repeat-containing protein 7                                 |
| UniProt Gene Name                | BIRC7                                                                       |
| UniProt Synonym Gene Names       | KIAP; LIVIN; MLIAP; RNF50; KIAP; ML-IAP; Truncated livin; p30-Livin; tLivin |
| UniProt Entry Name               | BIRC7_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/monoclonal/birc7-antibody-clone-1d12-western-blot-immunohistochemistry-flow-cytometry-elisa/106323>