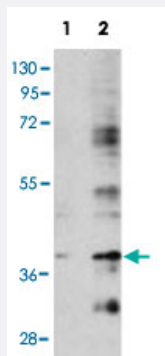


# BIRC7 polyclonal antibody

Catalog # PAB4712

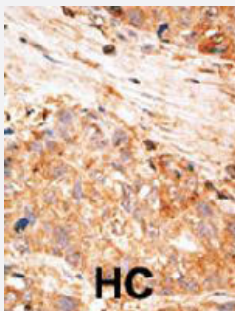
Size 400 uL

## Applications



### Western Blot (Transfected lysate)

Western blot analysis of BIRC7 (arrow) using rabbit BIRC7 polyclonal antibody (Cat # PAB4712). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BIRC7 gene (Lane 2) (Origene Technologies).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BIRC7 polyclonal antibody (Cat # PAB4712), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of BIRC7.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human BIRC7.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:50-200) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of BIRC7 (arrow) using rabbit BIRC7 polyclonal antibody (Cat # PAB4712). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BIRC7 gene (Lane 2) (Origene Technologies).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BIRC7 polyclonal antibody (Cat # PAB4712), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — BIRC7

<b>Entrez GeneID</b>	<a href="#">79444</a>
<b>Protein Accession#</b>	<a href="#">Q96CA5-2</a>
<b>Gene Name</b>	BIRC7
<b>Gene Alias</b>	KIAP, LIVIN, ML-IAP, MLIAP, RNF50
<b>Gene Description</b>	baculoviral IAP repeat-containing 7
<b>Omim ID</b>	<a href="#">605737</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

## Gene Summary

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]

## Other Designations

OTTHUMP00000031536|OTTHUMP00000031537|baculoviral IAP repeat-containing protein 7|kidney inhibitor of apoptosis protein|livin inhibitor of apoptosis|livin inhibitor-of-apoptosis|melanoma inhibitor of apoptosis protein

## Publication Reference

- [The secreted protein discovery initiative \(SPDI\), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.](#)

Clark HF, Gurney AL, Abaya E, Baker K, Baldwin D, Brush J, Chen J, Chow B, Chui C, Crowley C, Currell B, Deuel B, Dowd P, Eaton D, Foster J, Grimaldi C, Gu Q, Hass PE, Heldens S, Huang A, Kim HS, Klimowski L, Jin Y, Johnson S, Lee J, Lewis L, Liao D, Mark M, Robbie E, Sanchez C, Schoenfeld J, Seshagiri S, Simmons L, Singh J, Smith V, Stinson J, Vagts A, Vandlen R, Watanabe C, Wieand D, Woods K, Xie MH, Yansura D, Yi S, Yu G, Yuan J, Zhang M, Zhang Z, Goddard A, Wood WI, Godowski P, Gray A.

Genome Research 2003 Sep; 13(10):2265.

- [Expression and prognostic significance of LIVIN, SURVIVIN and other apoptosis-related genes in the progression of superficial bladder cancer.](#)

Gazzaniga P, Gradilone A, Giuliani L, Gandini O, Silvestri I, Nofroni I, Sacconi G, Frati L, Agliano AM.

Annals of Oncology 2003 Jan; 14(1):85.

- [SMAC negatively regulates the anti-apoptotic activity of melanoma inhibitor of apoptosis \(ML-IAP\).](#)

Vucic D, Deshayes K, Ackerly H, Pisabarro MT, Kadkhodayan S, Fairbrother WJ, Dixit VM.

The Journal of Biological Chemistry 2002 Apr; 277(14):12275.