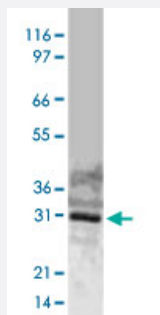


BIRC7 polyclonal antibody

Catalog # PAB14670

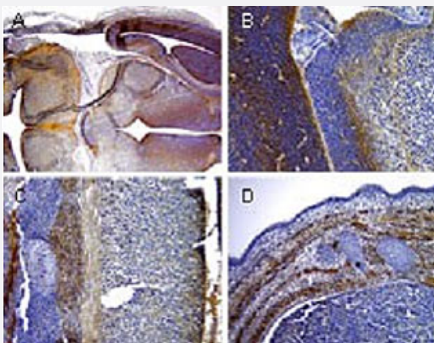
Size 50 uL

Applications



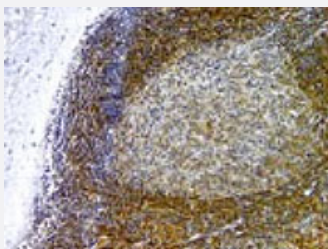
Western Blot (Recombinant protein)

Western blot analysis of full-length, recombinant human BIRC7 using BIRC7 polyclonal antibody (Cat #PAB14670) at 1 : 2000.



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

Immunohistochemical analysis of BIRC7 in Bouin's-fixed, paraffin-embedded E13.5 mouse embryo (13.5 days post coitum) Bouin's using BIRC7 polyclonal antibody (Cat #PAB14670) at 1 : 2000. The mother was perfused prior to embryo harvesting. A, brain overview. B, brain. C, spinal cord. D, liver and abdominal wall. Hematoxylin-eosin counterstain.



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

Immunohistochemical analysis of BIRC7 in formalin-fixed, paraffin embedded human tonsil (secondary nodule) using BIRC7 polyclonal antibody (Cat #PAB14670) at 1 : 2000. Hematoxylin-eosin counterstain.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of BIRC7.

Immunogen

A synthetic peptide corresponding to amino acids 199-217 of human BIRC7.

Sequence	PELPTPRREVQSESAQEPG
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	<p>Livin is a short-lived protein that is thought to be degraded by the ubiquitin-proteasome pathway. Thus users may want to do a time course when examining the effects of treatments on Livin expression. Users are encouraged to refer to the literature for additional information; for example, Ma et al. 2006. Livin has been shown to undergo proteolytic cleavage during apoptosis. Thus the molecular weight of Livin observed on Western blots may vary depending on the presence or absence of cleavage fragments.</p>
Form	Liquid
Recommend Usage	<p>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:5000)</p> <p>Immunoprecipitation (1:50-1:200)</p> <p>Western Blot (1:1000-1:2000)</p> <p>The optimal working dilution should be determined by the end user.</p>
Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	<p>Store at -20°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis of full-length, recombinant human BIRC7 using BIRC7 polyclonal antibody (Cat #PAB14670) at 1 : 2000.

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

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Immunohistochemical analysis of BIRC7 in formalin-fixed, paraffin embedded human tonsil (secondary nodule) using BIRC7 polyclonal antibody (Cat #PAB14670) at 1 : 2000. Hematoxylin-eosin counterstain.

- Immunohistochemistry (Frozen sections)

- Immunoprecipitation

Gene Info — BIRC7

Entrez GeneID [79444](#)

Protein Accession# [NP_647478;NP_071444.1](#)

Gene Name BIRC7

Gene Alias KIAP, LIVIN, ML-IAP, MLIAP, RNF50

Gene Description baculoviral IAP repeat-containing 7

Omim ID [605737](#)

Gene Ontology [Hyperlink](#)

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

- [Isoform-specific silencing of the Livin gene by RNA interference defines Livin beta as key mediator of apoptosis inhibition in HeLa cells.](#)

Crnkovic-Mertens I, Semzow J, Hoppe-Seyler F, Butz K.

Journal of Molecular Medicine 2006 Mar; 84(3):232.

- [Reawakening the cellular death program in neoplasia through the therapeutic blockade of IAP function.](#)

Wright CW, Duckett CS.

The Journal of Clinical Investigation 2005 Oct; 115(10):2673.

Application: IHC, WB, Human, Cancers, Mammalian cells

- [Caspase-mediated cleavage converts Livin from an antiapoptotic to a proapoptotic factor: implications for drug-resistant melanoma.](#)

Nachmias B, Ashhab Y, Bucholtz V, Drize O, Kadouri L, Lotem M, Peretz T, Mandelboim O, Ben-Yehuda D.

Cancer Research 2003 Oct; 63(19):6340.