



## Anti-BIRC7 polyclonal antibody (CPBT-66344GH)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Product Overview

Goat anti Human LIVIN (C terminal) antibody recognizes human Baculoviral IAP repeat-containing protein 7, also known as Kidney inhibitor of apoptosis protein, Livin, RING finger protein 50 or Melanoma inhibitor of apoptosis protein, encoded by the BIRC7 gene. Livin is a 298 amino acid, ~30kDa member of the IAP family containing a single BIR repeat and a single RING -type Zinc finger domain. Goat anti human Livin antibody, recognizes an epitope within the C-terminal (CT) region of human Livin. Two isoforms of livin are generated by alternative splicing  $\alpha$  or isoform 2, and  $\beta$  or isoform 1, the latter carrying a 18 amino acid deletion toward the C-terminal region of the molecule. However, the deletion seen in Livin- $\beta$  is outside the sequence used as immunogen for this Goat anti human Livin antibody which is expected to recognize both isoforms of the molecule. Livin is upregulated in a number of cancer cell types demonstrating both nuclear and cytoplasmic localization in renal cancer cells whilst equivalent non-cancerous kidneys demonstrate only cytoplasmic staining in restricted cell types. Western Blotting detects bands of approximately 30 & 35kDa in MOLT4 cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.

<b>Specificity</b>	BIRC7
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 $\mu$ g

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BIRC7 baculoviral IAP repeat containing 7 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	BIRC7
<b>Synonyms</b>	BIRC7; baculoviral IAP repeat containing 7; KIAP; LIVIN; MLIAP; RNF50; ML-IAP; baculoviral IAP repeat-containing protein 7; RING finger protein 50; livin inhibitor of apoptosis; kidney inhibitor of apoptosis protein; melanoma inhibitor of apoptosis protei
<b>Entrez Gene ID</b>	<a href="#">79444</a>
<b>Protein Refseq</b>	<a href="#">NP_071444</a>
<b>UniProt ID</b>	Q96CA5
<b>Chromosome Location</b>	20q13.3
<b>Pathway</b>	Apoptosis; Apoptosis Modulation and Signaling; Pathways in cancer; Small cell lung cancer; Toxoplasmosis; Ubiquitin mediated proteolysis;
<b>Function</b>	cysteine-type endopeptidase inhibitor activity; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; enzyme binding; ligase activity; protein binding; ubiquitin-protein transferase activity; zinc ion binding;