

Datasheet: AHP648

Description:	GOAT ANTI HUMAN LIVIN (C-TERMINAL)
Specificity:	LIVIN (C-TERMINAL)
Other names:	ML-IAP
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/4,000
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 1.0ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human LIVIN (CT) were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence C-RAPVRSRVRT corresponding to the C-terminal region of LIVIN (UniProt: Q96CA5).
External Database Links	UniProt:

[Q96CA5](#) [Related reagents](#)

Entrez Gene:

[79444](#) BIRC7 [Related reagents](#)

Synonyms KIAP, LIVIN, MLIAP, RNF50

RRID AB_2064366

Specificity **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 α or isoform 2, and β 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- β 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 ([Wagener et al. 2007](#)).

Western Blotting AHP648 detects bands of approximately 30 & 35kDa in MOLT4 cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.

Further Reading 1. Vucic, D. *et al.* (2002) SMAC negatively regulates the anti-apoptotic activity of melanoma inhibitor of apoptosis (ML-IAP). [J Biol Chem. 277 \(14\): 12275-9.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage 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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10058 available at: 10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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