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Datasheet for ABIN968164

## anti-XIAP antibody (AA 268-426)

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### Overview

Quantity:	150 µg
Target:	XIAP
Binding Specificity:	AA 268-426
Reactivity:	Human, Mouse, Rat, Frog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This XIAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

### Product Details

Immunogen:	Human hILP aa. 268-426
Clone:	48-hILP-XIAP
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Mouse (Murine), Frog
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li><li>4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li></ol>

## Product Details

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**Purification:** The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

## Target Details

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**Target:** XIAP

**Alternative Name:** hILP ([XIAP Products](#))

**Background:** Apoptosis is a genetically programmed, selective process of cell death that occurs during normal cell differentiation and development of multicellular organisms. Viruses depend on the biosynthetic machinery of their host cell for the production of progeny and survival. Therefore, many viruses encode proteins that protect the cell from apoptosis. hILP (human IAP-like protein) is a human homologue of the viral IAP (Inhibitor of Apoptosis Protein). hILP is a widely expressed cytoplasmic protein of 497 amino acids with three BIR (Baculovirus IAP repeats) domains and a C-terminal RING finger domain. hILP-transfected cells are protected against the apoptotic effects of Sindbis virus infection and ICE (interleukin-1beta converting enzyme) expression. This product is sold under license from Aegera Therapeutics, Inc. This antibody is routinely tested by western blot analysis.

Synonyms: hILP

**Molecular Weight:** 57 kDa

**Pathways:** [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Transition Metal Ion Homeostasis](#)

## Application Details

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**Comment:** Related Products: ABIN968537, ABIN967389

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 250 µg/mL

**Buffer:** Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: -20 °C

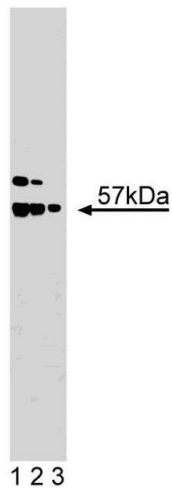
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Storage Comment: Store undiluted at -20°C.

## Publications

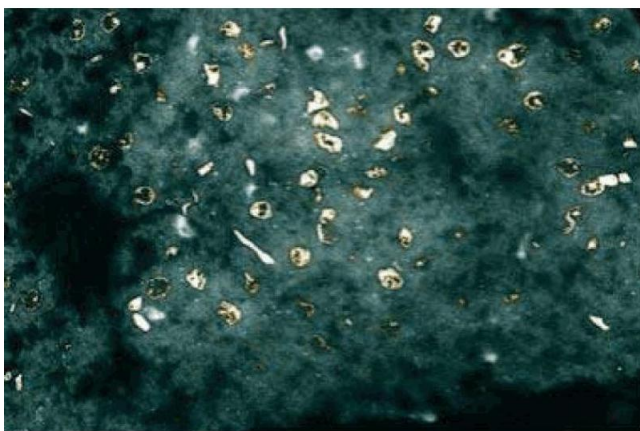
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- Product cited in:
- Deng, Lin, Wu: "TRAIL-induced apoptosis requires Bax-dependent mitochondrial release of Smac/DIABLO." in: **Genes & development**, Vol. 16, Issue 1, pp. 33-45, (2002) ([PubMed](#)).
- Martins, Iaccarino, Tenev, Gschmeissner, Totty, Lemoine, Savopoulos, Gray, Creasy, Dingwall, Downward: "The serine protease Omi/HtrA2 regulates apoptosis by binding XIAP through a reaper-like motif." in: **The Journal of biological chemistry**, Vol. 277, Issue 1, pp. 439-44, (2002) ([PubMed](#)).
- Fulda, Meyer, Debatin: "Metabolic inhibitors sensitize for CD95 (APO-1/Fas)-induced apoptosis by down-regulating Fas-associated death domain-like interleukin 1-converting enzyme inhibitory protein expression." in: **Cancer research**, Vol. 60, Issue 14, pp. 3947-56, (2000) ([PubMed](#)).
- Tamm, Kornblau, Segall, Krajewski, Welsh, Kitada, Scudiero, Tudor, Qui, Monks, Andreeff, Reed: "Expression and prognostic significance of IAP-family genes in human cancers and myeloid leukemias." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 6, Issue 5, pp. 1796-803, (2000) ([PubMed](#)).
- Duckett, Nava, Gedrich, Clem, Van Dongen, Gilfillan, Shiels, Hardwick, Thompson: "A conserved family of cellular genes related to the baculovirus iap gene and encoding apoptosis inhibitors." in: **The EMBO journal**, Vol. 15, Issue 11, pp. 2685-94, (1996) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis of hILP/XIAP on Jurkat lysate. Lane 1: 1:4000, lane 2: 1:8000, lane 3: 1:12000 dilution of anti-XIAP.



### Immunofluorescence

**Image 2.** Immunofluorescent staining of Rabbit Liver tissue with anti-XIAP antibody.

### Image 3.

Generated from human hILP

