



## Product Information

### Anti-ILP-2

Developed in Rabbit  
Affinity Isolated Antibody

Product Number **I 4782**

### Product Description

Anti-ILP-2 is developed in rabbit using a synthetic peptide (TGYEARLITFGT) corresponding to amino acids 2-13 of human ILP-2<sup>1</sup> as immunogen. This antibody is purified by immunoaffinity chromatography.

Anti-ILP-2 recognizes ILP-2 by immunoblotting (33 kDa). It is reactive in human, mouse, and rat.

ILP-2 (IAP-like protein-2) is a member of IAP (inhibitor of apoptosis) protein family, which prevents apoptosis.<sup>1</sup> IAP proteins are a conserved gene family that includes IAP, XIAP/ILP-1/MIHA, and Livin/KIAP that bind to and inhibits specific proteases. ILP-2 has high homology to ILP-1, but ILP-2 is encoded by a distinct gene that is solely expressed in testis of tested normal human tissues.<sup>1</sup>

ILP-2, unlike ILP-1, has no inhibitory effect on Fas and TNF (tumor necrosis factor) induced apoptosis, but potently inhibits apoptosis induced by the overexpression of Bax or by the coexpression of caspase-9 with Apaf-1. ILP-2 interacts with processed caspase-9, suggesting that ILP-2 has restricted specificity for caspase-9.

### Reagent

Anti-ILP-2 is supplied as approximately 1.0 mg/ml of antibody in phosphate buffered saline containing 0.02% sodium azide

### Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) has been sent to the attention of the safety officer at your institution. Consult the MSDS for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Do not store in a "frost-free" freezer. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

### Product Profile

For immunoblotting, the recommended working antibody concentration is 1-2 µg/ml using human HepG2 or MOLT4 cell lysates and mouse spleen tissue lysates.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working concentrations by titration.

### References

1. Richter, B.W., et al., Molecular cloning of ILP-2, a novel member of the inhibitor of apoptosis protein family. *Mol. Cell Biol.*, **21**, 4292-4301 (2001)

kaa 02/03

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.