ILP-2 Antibody

Catalog No: #24166

Orders: order@signalwayantibody.com
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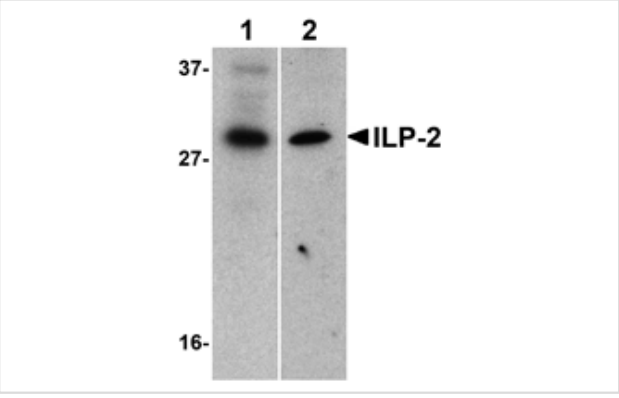
Description

Product Name	ILP-2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	ILP-2 antibody was raised with against a synthetic peptide corresponding to amino acids near the amino terminus of human ILP-2.
Target Name	ILP-2
Accession No.	Swiss-Prot:Q96P09Gene ID:
Uniprot	Q96P09
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

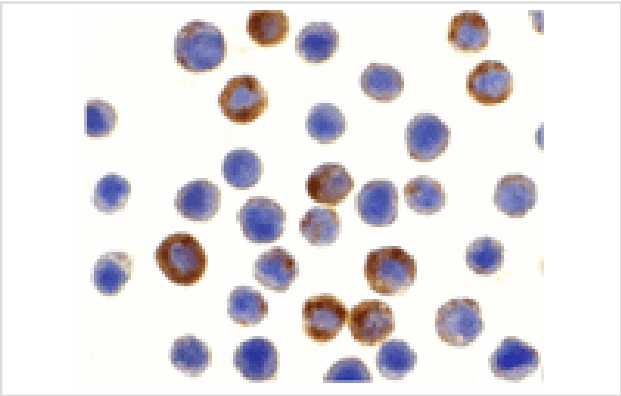
Application Details

Predicted MW: 33 kd

Images



Western blot analysis of ILP-2 expression in human HepG2 (lane 1) and MOLT4 (lane 2) cell lysates with ILP-2 antibody at 1 ug/mL.



Immunocytochemistry of ILP-2 in HepG2 cells with ILP-2 antibody at 10 ug/mL.

Background

Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family including IAP, XIAP/ILP-1/MIHA, and Livin/KIAP that bind to and inhibits specific proteases. A novel member in the IAP protein family was recently identified and designated ILP-2 for IAP-like protein-2. ILP-2 has high homology to ILP-1, but is encoded by a distinct gene that is solely expressed in testis of tested normal human tissues. ILP-2, unlike ILP-1, has no inhibitory effect on Fas and TNF induced apoptosis, but potently inhibits apoptosis induced by overexpression of Bax or by coexpression of caspase-9 with Apaf-1. ILP-2 interacts with the processed caspase-9. These results suggest that ILP-2 is a novel IAP family member with restricted specificity for caspase-9.

Note: This product is for in vitro research use only