

Summary

Production Name	ML-IAP Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BIRC7 BIRC7; KIAP; LIVIN; MLIAP; RNF50; Baculoviral IAP repeat-containing protein 7; Kidney inhibitor of apoptosis protein; KIAP; Livin; Melanoma inhibitor of apoptosis protein;
Alternative Names	ML-IAP; RING finger protein 50
Gene ID	79444.0
SwissProt ID	Q96CA5.The antiserum was produced against synthesized peptide derived from human ML-IAP. AA range:162-211

Application

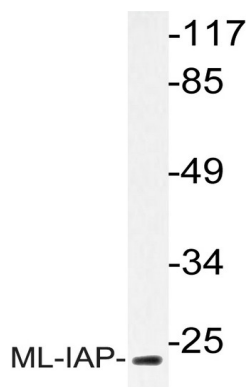
Dilution Ratio	WB 1:500-2000
Molecular Weight	21kD

Background

This gene encodes a member of the inhibitor of apoptosis protein (IAP) family, and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Elevated levels of the encoded protein may be associated with cancer progression and play a role in chemotherapy sensitivity. Alternative splicing results in multiple transcript variants [provided by RefSeq, Jul 2013],function:Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine. Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2. This activation depends on TAB1 and NR2C2/TAK1. In vitro, inhibits caspase-3 and proteolytic activation of pro-caspase-9. Isoform 1 blocks staurosporine-induced apoptosis and isoform 2 blocks etoposide-induced apoptosis.,similarity:Belongs to the IAP family.,similarity:Contains 1 BIR repeat.,similarity:Contains 1 RING-type zinc finger.,subcellular location:Nuclear, and in a filamentous pattern throughout the cytoplasm.,subunit:Binds to caspase-9. Interaction with SMAC via the BIR domain disrupts binding to caspase-9 and apoptotic suppressor activity. Interacts with TAB1. In vitro, interacts with caspase-3 and caspase-7 via its BIR domain.,tissue specificity:Very low levels or not detectable in most adult tissues. Detected in adult heart, placenta, lung, lymph node, spleen and ovary, and in several carcinoma cell lines (isoform 1 and isoform 2). Isoform 2 (but not isoform 1) is detected in fetal kidney, heart and spleen, and at lower levels in adult brain, skeletal muscle and peripheral blood leukocytes.,

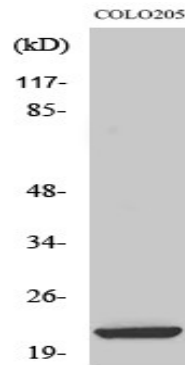
Research Area

Image Data



Western blot analysis of lysate from COLO cells, using ML-IAP antibody.

Product Name: ML-IAP Rabbit Polyclonal Antibody
Catalog #: APRab13949



Western Blot analysis of various cells using ML-IAP Polyclonal Antibody

Note

For research use only.