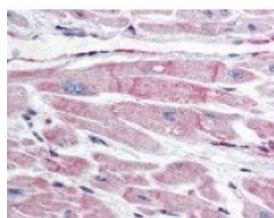




BIRC7 Antibody [88C570]

CATALOG NUMBER: 49-265



Immunohistochemistry staining of BIRC7
in heart tissue using BIRC7 monoclonal
Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	BIRC7 antibody can be used in ELISA, Western Blot, immunohistochemistry starting at 5 ug/mL, and immunofluorescence starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The Livin antibody, clone 88C570 has been shown to recognize both Livin alpha (~39 kD) and Livin beta (~37 kD) isoforms (Nachmias et al, 2003). 2. also recognizes the 30 kD (p30-Livin alpha) and 28 kD (p28-Livin beta) apoptotic cleavage fragments of ...
IMMUNOGEN:	Recombinant human livin protein.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS containing 0.05% BSA and 0.05% sodium azide
STORAGE CONDITIONS:	BIRC7 antibody can be stored short term 4 °C. For long term storage aliquot and store at -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	BIRC7, KIAP, Livin inhibitor of apoptosis, MLIAP, ML-IAP, RNF50, RING finger protein 50, LIVIN
ACCESSION NO.:	Q96CA5
PROTEIN GI NO.:	21759008
OFFICIAL SYMBOL:	BIRC7

Background

BACKGROUND:

The inhibitor of apoptosis (IAP) family of proteins regulates programmed cell death triggered by various stimuli. All IAPs have at least one baculovirus IAP repeat (BIR) motif that is essential for their anti-apoptotic activity. Recently, Kasof and Gomes, Vucic et al. and Ashhab et al. have identified a novel human inhibitor of apoptosis protein (IAP) family member termed Livin or ML-IAP, which contains a single baculoviral IAP repeat (BIR) domain and a COOH-terminal RING finger domain. Livin gene has two splicing variants that contain open reading frames of 298 and 280 amino acids and both contained a single copy of baculovirus IAP repeat (BIR) and RING domain. Both of the isoforms inhibit TNF α induced apoptosis in Jurkat cells. Livin expression is low in adult tissues. It is relatively expressed at a higher level in developmental tissues and in many cancer cells. A novel member in the IAP protein family was recently identified and designated Livin and KIAP for kidney IAP. Livin/XIAP contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin-a and Livin-b. Transfection of Livin in cells resulted in protection from apoptosis induced by FADD, BAX, RIP, RIP3 and DR6. Livin has direct interaction with several caspases including caspase-3, -7, and -9. Livin inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP. The two isoforms of Livin appear to have different functions and tissue distributions.

FOR RESEARCH USE ONLY

December 13, 2016