For Research Use Only

cIAP1 Monoclonal antibody

Catalog Number:66626-1-Ig 5 Publications

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Basic Information

Catalog Number:
66626-1-Ig

Size:
150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG21398

GenBank Accession Number:
BC016174

GeneID (NCBI):
329

UNIPROT ID:
Q13490

Full Name:
baculoviral IAP repeat-containing 2

Calculated MW:
618 aa, 70 kDa

Observed MW:
70 kDa

Purification Method:
Protein A purification

CloneNo.:
1H3F1

Recommended Dilutions:
WB 1:2000-1:10000
IHC 1:150-1:600
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, mouse, rat, pig

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HEK-293 cells, HepG2 cells, Hela cells, Jurkat cells, HSCT6 cells, pig brain tissue, rat brain tissue, mouse skeletal muscle tissue

IHC : human spleen tissue, human tonsillitis tissue, human lung cancer tissue, human lymphoma tissue

IF/ICC : HepG2 cells,

Background Information

BIRC2 (also known as cIAP1) is a member of the inhibitor of apoptosis protein (IAP) family. The inhibitor of apoptosis (IAP) proteins are a family of anti-apoptotic regulators found in viruses and metazoans. BIRC2 is a nuclear shuttling protein, whose subcellular localization is mediated by the CRM1-dependent nuclear export pathway (PMID: 15265700). The protein is regulated transcriptionally and can be inhibited by mitochondrial proteins released in the cytoplasm upon apoptotic stimuli (PMID: 15187025). BIRC2 is also believed to be a critical regulator of vascular integrity and endothelial cell survival, thereby providing an additional target pathway for the control of angiogenesis and blood vessel homeostasis during embryogenesis, regeneration and tumorigenesis (PMID: 17934460).

Notable Publications

Author	Pubmed ID	Journal	Application
Jingwen Tan	36208777	Chem Biol Interact	WB
Xu Yang	36471347	J Exp Clin Cancer Res	WB,IHC,IF,IP
Jingru Huangfu	33837174	Cell Death Dis	WB

Storage

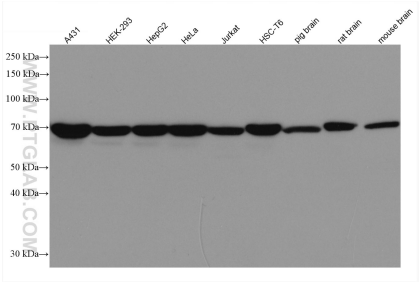
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

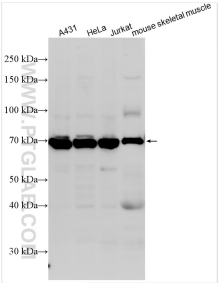
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

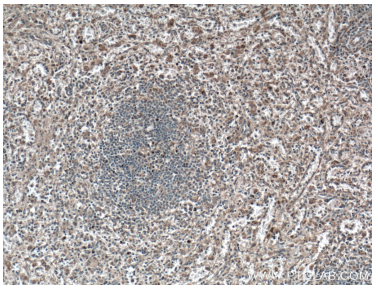
Selected Validation Data



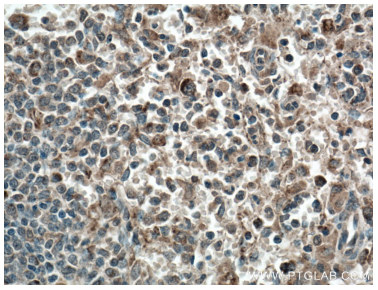
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



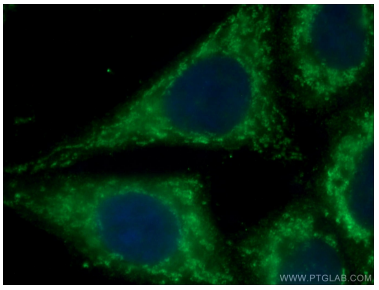
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66626-1-Ig (cIAP1 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66626-1-Ig (cIAP1 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66626-1-Ig (cIAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L).