

For Research Use Only

# cIAP1 Monoclonal antibody

Catalog Number: 66626-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 66626-1-Ig	<b>GenBank Accession Number:</b> BC016174	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 1600 ug/ml by 329 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> UNIPROT ID: Q13490	<b>CloneNo.:</b> 1H3F1
<b>Source:</b> Mouse	<b>Full Name:</b> baculoviral IAP repeat-containing 2	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:150-1:600 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 618 aa, 70 kDa	
<b>Immunogen Catalog Number:</b> AG21398	<b>Observed MW:</b> 70 kDa	

## 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, HSC T6 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,IP,IHC,IF
Jingru Huangfu	33837174	Cell Death Dis	WB

## Storage

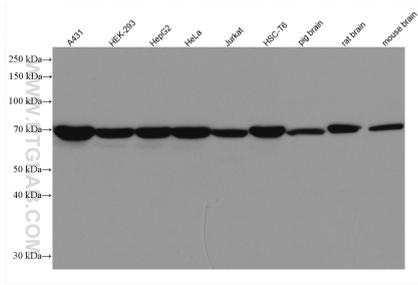
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

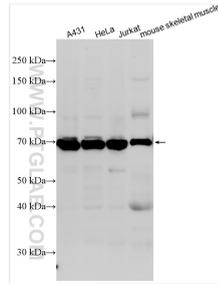
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

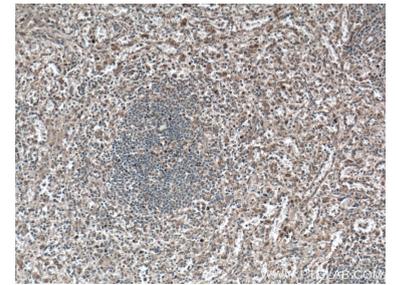
## Selected Validation Data



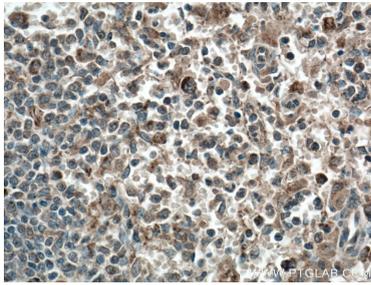
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



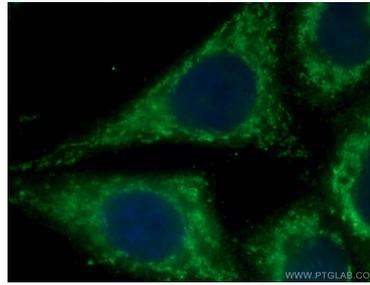
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).