

For Research Use Only

cIAP1 Monoclonal antibody

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



Basic Information

Catalog Number: 66626-1-Ig	GenBank Accession Number: BC016174	Purification Method: Protein A purification
Concentration: 1600 µg/ml	GeneID (NCBI): 329	CloneNo.: 1H3F1
Source: Mouse	UNIPROT ID: Q13490	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:150-1:600 IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: baculoviral IAP repeat-containing 2	
Immunogen Catalog Number: AG21398	Calculated MW: 618 aa, 70 kDa Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP	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
Species Specificity: human, mouse, rat, pig	IHC : human spleen tissue, human tonsillitis tissue, human lung cancer tissue, human lymphoma tissue
Cited Species: human, mouse	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

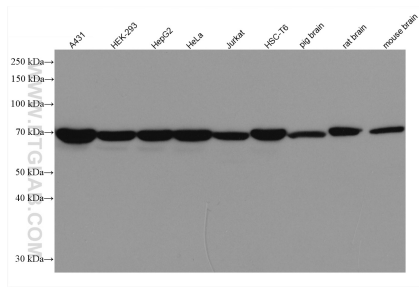
Storage

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

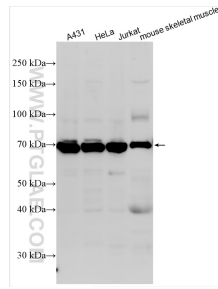
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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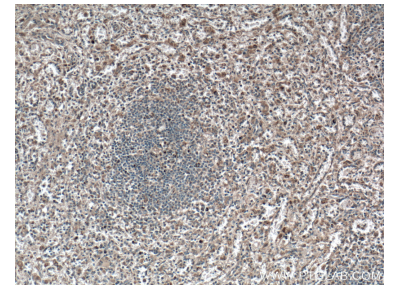
Selected Validation Data



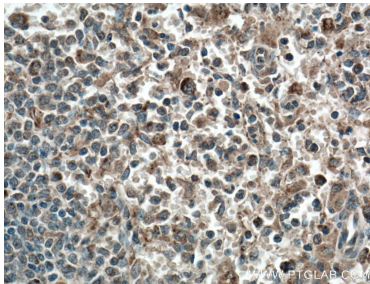
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



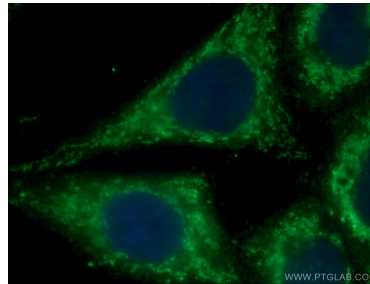
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (cIAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).