

For Research Use Only

cIAP1 Monoclonal ANTIBODY



Catalog Number: 66626-1-Ig

Basic Information

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

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, mouse, rat, pig

**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, mouse brain tissue, rat brain tissue,
pig brain tissue, HSCT6 cells, Jurkat cells, HepG2 cells,
Hela cells, HEK-293 cells, A431 cells

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

IF: 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

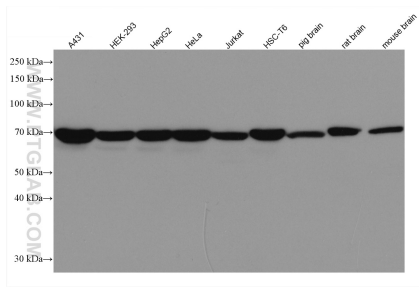
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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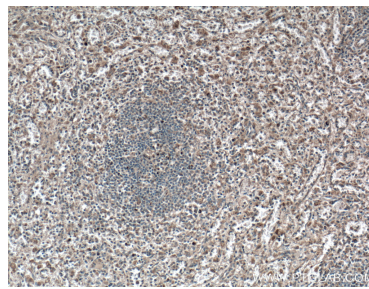
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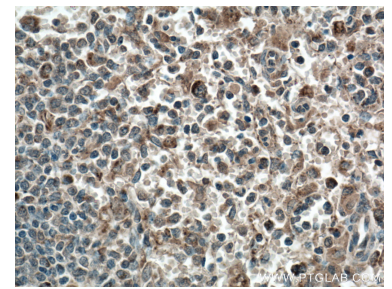
Selected Validation Data



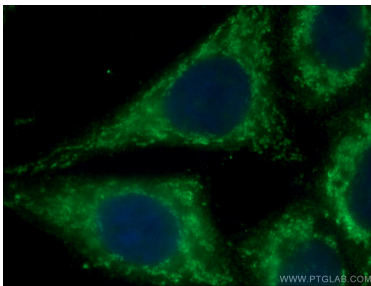
Various lysates were subjected to SDS PAGE followed by western blot with 66626-1-Ig (clAP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66626-1-Ig (clAP1 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 (clAP1 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 (clAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).