

Rabbit cIAP-1/HiAP-2 Polyclonal Antibody | anti-cIAP-1/HiAP-2 antibody

Polyclonal Antibody to cIAP-1/HiAP-2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78328	Rabbit	Dog, Gerbil, Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

cIAP-1/HiAP-2; Polyclonal Antibody; Polyclonal Antibody to cIAP-1/HiAP-2; BIRC2; API1; IAP2; MIHB; RNF48; C-IAP1; IAP homolog B; IAP-2; Inhibitor of apoptosis protein 2; RING finger protein 48; TNFR2-TRAF-signaling complex protein 2; Antibody to cIAP-1/HiAP-2; Anti-cIAP-1/HiAP-2 Antibody; cIAP-1/HiAP-2 Antibody; anti-cIAP-1/HiAP-2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Gerbil, Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Serum
Form/Format	50 ul sera
Sequence Length	618
Applicable Applications for anti-cIAP-1/HiAP-2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Information	Full-length recombinant protein of human cAPI1 was used as immunogen for this antibody
Antigen	cIAP-1/HiAP-2
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig: 2 Immunohistochemical analysis of cIAP1 in formalin-fixed, paraffin-embedded human prostate using at 1: 2000. A, normal prostate. B, prostate intraepithelial neoplasia (PIN). PIN is a premalignant proliferation arising within the prostate. C, prostate cancer. Hematoxylin-eosin counterstain. Increased cIAP1 expression is PIN and in prostate cancer compared to normal prostate.



WB (Western Blot)

Fig: 1 Western blot analysis of cIAP1 in human prostate using at 1: 1000. PBH (benign prostate hyperplasia), PIN (prostate intraepithelial neoplasia). Elevated levels of cIAP1 were seen in certain cases of BPH/PIN and prostate cancer compared to normal prostate.

ADDITIONAL INFORMATION

Related Product Information for anti-clAP-1/HiAP-2 antibody	clAP1 (HIAP2, MIHB) is a member of the family of inhibitor of apoptosis proteins (IAP). IAPs suppress mitochondria-dependent and -independent apoptosis by binding to and inhibiting caspases through their BIR domains (reviewed in Liston et al, 2003; Wright and Duckett, 2005). Resistance towards apoptosis is a hallmark of cancer cells, and overexpression of IAPs can contribute to the development of cancer though inhibiting apoptosis. In addition to at least one BIR domain, some IAP members also have a RING-type finger motif at their carboxyl-terminal. The RING finger domain of several IAPs, including clAP2, have E3 ubiquitin ligase activity and target the degradation of Smac/DIABLO through ubiquitination. Smac/DIABLO is a death inducer and functions by inhibiting IAP-caspase interactions, thereby promoting apoptosis. Degradation of cell death inducers like Smac/DIABLO is thought to be a conserved mechanism by which IAPs enhance their anti-apoptotic activity, thereby promoting cell survival. The IAPs, including clAP1, have widespread tissue protein expression, with expression levels and subcellular localization patterns differing depending on the cell lineage (see Vischioni et al. 2005 for a comprehensive study). This antibody recognizes clAP1, human clAP1 is a 618 amino acid protein.
Product Categories/Family for anti-clAP-1/HiAP-2 antibody	Antibodies; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	2497238
NCBI GeneID	329
UniProt Accession #	Q13490; Q16516; Q4TTG0; B4E026
Molecular Weight	64,098 Da
NCBI Official Full Name	Baculoviral IAP repeat-containing protein 2
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 2
NCBI Official Symbol	BIRC2
NCBI Official Synonym Symbols	API1; MIHB; HIAP2; RNF48; clAP1; Hiap-2; c-IAP1
NCBI Protein Information	baculoviral IAP repeat-containing protein 2
UniProt Protein Name	Baculoviral IAP repeat-containing protein 2
UniProt Gene Name	BIRC2
UniProt Synonym Gene Names	API1; MIHB; RNF48; hIAP-2; hIAP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ciap-1-hiap-2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/78328>