

Product datasheet for **AP00060PU-N**

clAP1 (BIRC2) Rabbit Polyclonal Antibody

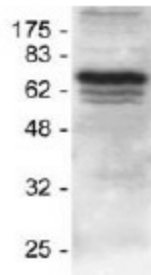
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 0.5-4 µg/ml. Immunohistochemistry: 5 µg/ml. Jurkat cell lysate and Rat kidney tissue lysate can be used as positive controls.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 530 of human clAP-1
Specificity:	This antibody detects clAP-1.
Formulation:	PBS, pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	baculoviral IAP repeat containing 2
Database Link:	Entrez Gene 11797 Mouse Entrez Gene 60371 Rat Entrez Gene 329 Human Q13490



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- Background:** Apoptosis can be inhibited by a group of proteins called inhibitors of apoptosis (IAPs). These proteins contain a BIR (baculovirus IAP repeat) domain near the amino-terminus. The BIR domain can bind some caspases. Many members of the IAP family of proteins block proteolytic activation of caspase-3 and -7. For example, XIAP, cIAP-1 and cIAP-2 appear to block cytochrome c-induced activation of caspase-9, thereby preventing initiation of the caspase cascade. Since cIAP-1 and cIAP-2 were first identified as components in the cytosolic death domain-induced complex associated with the TNF family of receptors, they may inhibit apoptosis by additional mechanisms.
- Synonyms:** API1, MIHB, RNF48, Inhibitor of apoptosis protein 2, C-IAP1, cIAP1, IAP homolog B, HIAP2, HIAP-2
- Protein Families:** Druggable Genome
- Protein Pathways:** Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product images:

Western blot analysis of cIAP-1 in Jurkat cell lysate.