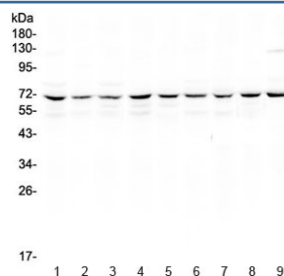


## cIAP1 Antibody / BIRC2 (RQ4201)

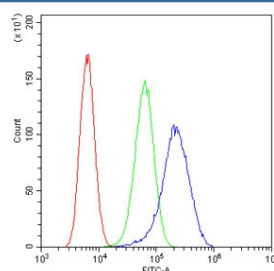
Catalog No.	Formulation	Size
RQ4201	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

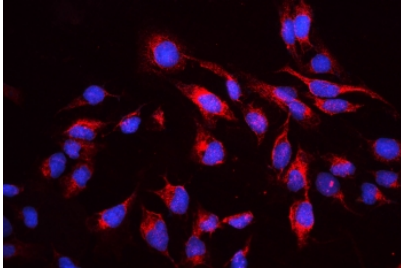
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q13490
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow : 1-3ug/10 <sup>6</sup> cells Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This cIAP1 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) MCF7, 4) COLO320, 5) U-87 MG, 6) A549, 7) rat thymus, 8) mouse thymus and 9) mouse testis lysate with cIAP1 antibody at 0.5ug/ml. Predicted molecular weight ~70 kDa.



Flow cytometry testing of human U-2 OS cells with cIAP1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= cIAP1 antibody.



IF/ICC staining of FFPE human U-2 OS cells with cIAP1 antibody (red) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

## Description

Baculoviral IAP repeat-containing protein 2 (also known as cIAP1) is a protein that in humans is encoded by the BIRC2 gene. The protein encoded by this gene is a member of a family of proteins that inhibits apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. This encoded protein inhibits apoptosis induced by serum deprivation and menadione, a potent inducer of free radicals. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the cIAP1 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids D320-T570 was used as the immunogen for the cIAP1 antibody.

## Storage

After reconstitution, the cIAP1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.