

# clAP1 Monoclonal Antibody (GT422)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	GT422
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the center region of human clAP1. The exact sequence is proprietary.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2735147

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunocytochemistry (ICC)	1:100-1:1000	-
Immunofluorescence (IF)	1:100-1:1000	-

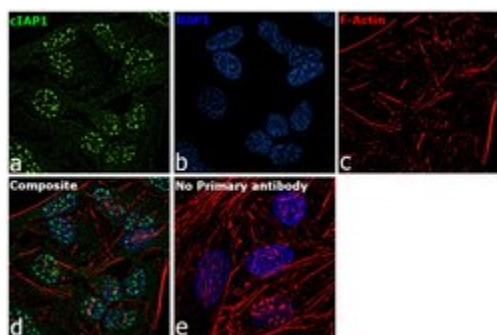
## Product Specific Information

Positive Control: Jurkat, Raji, NCI-H929

Predicted Reactivity: Mouse (85%), Rat (80%), Dog (89%), Rhesus Monkey (98%)

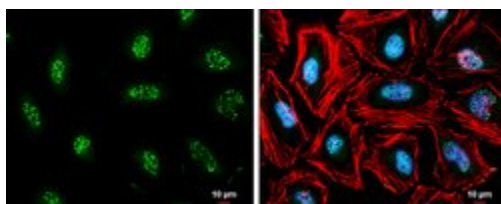
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For cIAP1 Monoclonal Antibody (GT422)



### cIAP1 Antibody (MA5-27728) in ICC

Immunofluorescence analysis of cIAP1 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with cIAP1 Mouse Monoclonal Antibody (GT422) (Product # MA5-27728) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then with Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32723) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasm and nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

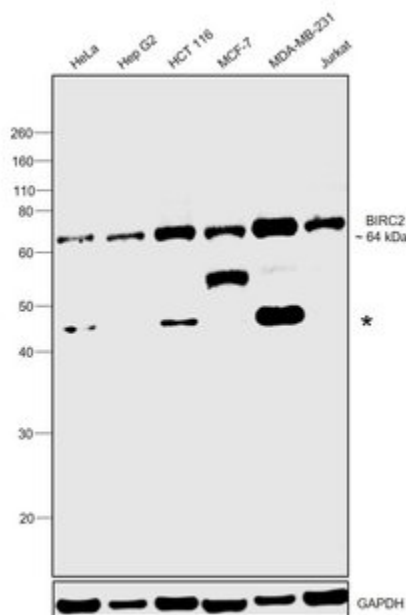


### cIAP1 Antibody (MA5-27728) in ICC

Immunocytochemistry-Immunofluorescence analysis of cIAP1 was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: cIAP1 Monoclonal Antibody (GT422) (Product # MA5-27728) diluted at 1:500. Red: phalloidin, a cytoskeleton marker. Blue: Hoechst 33342 staining. Scale bar = 10 µm.

### cIAP1 Antibody (MA5-27728) in WB

Western blot was performed using Anti-cIAP1 Monoclonal Antibody (GT422) (Product # MA5-27728) and a 64 kDa corresponding to BIRC2 along with an uncharacterized band (\*) around 45 kDa was observed across cell lines tested. Modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), Hep G2 (Lane 2), HCT 116 (Lane 3), MCF-7 (Lane 4), MDA-MB-231 (Lane 5) and Jurkat (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



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