

Product datasheet for **TA500761AM**

Livin (BIRC7) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1B10]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1B10 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100, Flow 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human BIRC7 (NP_071444) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 32.8 kDa |
| Gene Name: | baculoviral IAP repeat containing 7 |
| Database Link: | NP_647478 Entrez Gene 79444 Human Q96CA5 |



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Background:

The protein encoded by this gene is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Two transcript variants encoding different isoforms have been found for this gene. The two isoforms have different antiapoptotic properties, with isoform alpha protecting cells from apoptosis induced by staurosporine and isoform b protecting cells from apoptosis induced by etoposide.

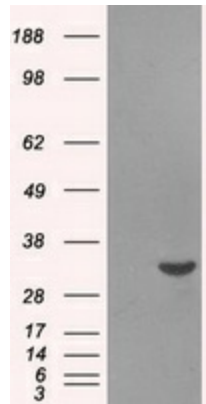
Synonyms:

KIAP; LIVIN; ML-IAP; MLIAP; RNF50

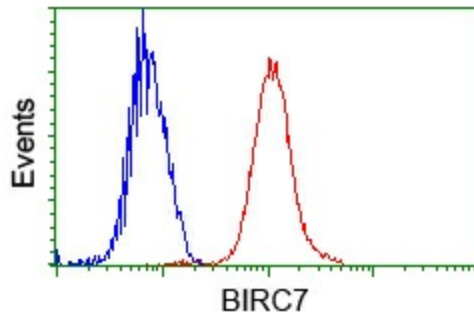
Protein Families:

Druggable Genome

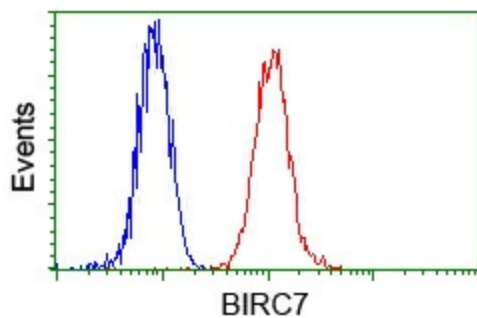
Product images:



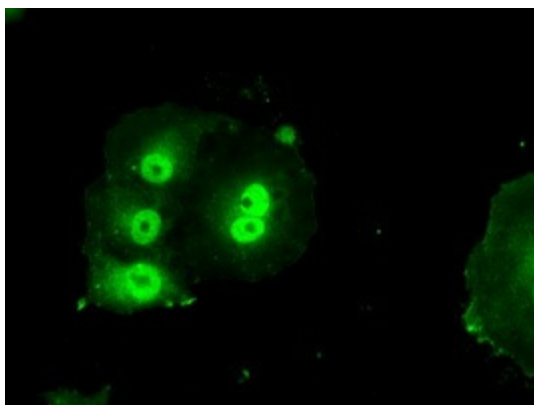
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BIRC7 ([RC204906], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BIRC7. Positive lysates [LY403386] (100ug) and [LC403386] (20ug) can be purchased separately from OriGene.



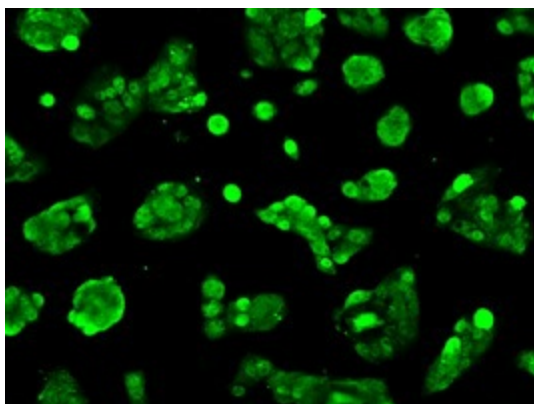
Flow cytometric analysis of Jurkat cells, using anti-BIRC7 antibody ([TA500761]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Flow cytometric analysis of HeLa cells, using anti-BIRC7 antibody ([TA500761]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Anti-BIRC7 mouse monoclonal antibody ([TA500761]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BIRC7 ([RC204906]).



Immunofluorescent staining of HeLa cells using anti-BIRC7 mouse monoclonal antibody ([TA500761]).