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Product datasheet for CF500758

Livin (BIRC7) Mouse Monoclonal Antibody [Clone ID: OTI1D12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D12
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:100, IHC 1:50, 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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
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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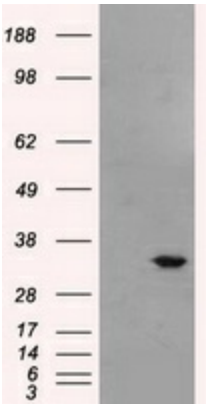
Background: The protein encoded by this gene is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while 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.

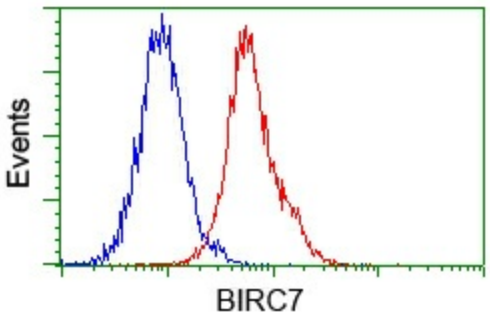
Synonyms: KIAP; LIVIN; ML-IAP; MLIAP; RNF50

Protein Families: Druggable Genome

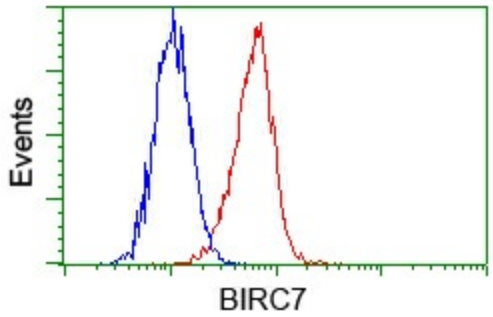
Product images:



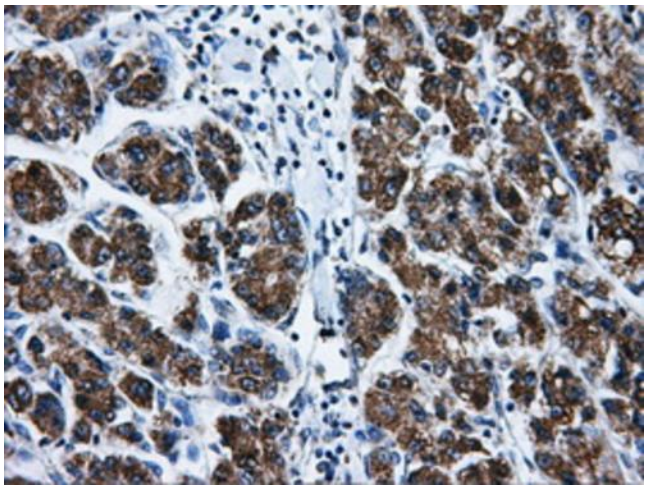
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BIRC7 (Cat# [RC204906], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BIRC7(Cat# [TA500758]). Positive lysates [LY403386] (100ug) and [LC403386] (20ug) can be purchased separately from OriGene.



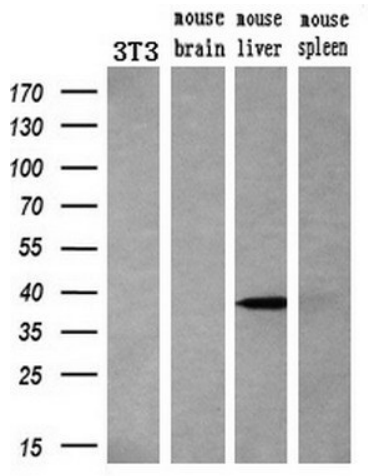
Flow cytometric analysis of Jurkat cells, using anti-BIRC7 antibody ([TA500758]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



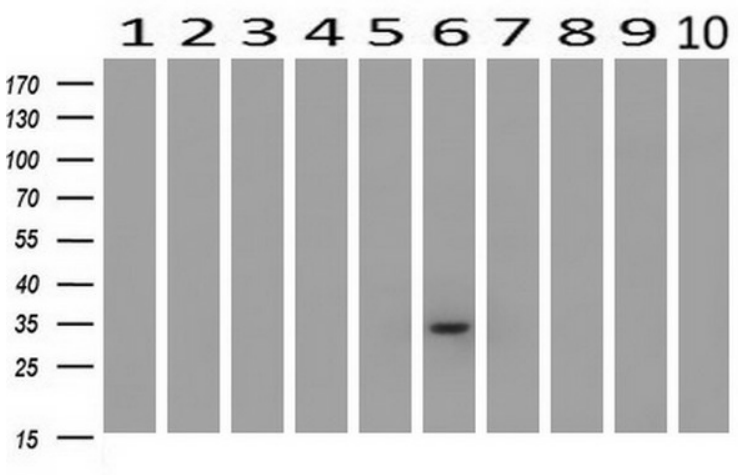
Flow cytometric analysis of Hela cells, using anti-BIRC7 antibody ([TA500758]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Immunohistochemical staining of paraffin-embedded Carcinoma of liver tissue using anti-BIRC7mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500758], Dilution 1:50)



Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-BIRC7 monoclonal antibody (1:200).



Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-BIRC7 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).