10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BIRC5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant BIRC5.
Catalog # AT1299a

Product Information

Application	WB, IF, IP, E
Primary Accession	O15392
Other Accession	NM_001168
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5B10
Calculated MW	16389

Additional Information

Gene ID	332
Other Names	Baculoviral IAP repeat-containing protein 5, Apoptosis inhibitor 4, Apoptosis inhibitor survivin, BIRC5, API4, IAP4
Target/Specificity	BIRC5 (NP_001159, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	BIRC5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

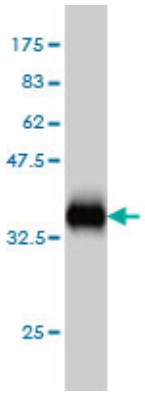
Background

This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors yet low in adult tissues. Antisense transcripts are involved in the regulation of this gene's expression. At least four transcript variants encoding distinct isoforms have been found for this gene, but the full-length natures of only three of them have been determined.

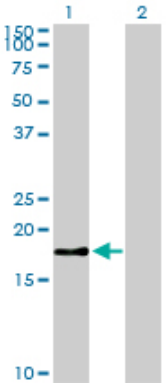
References

1.Survivin expression induced by endothelin-1 promotes myofibroblast resistance to apoptosis.Horowitz JC, Ajayi IO, Kulasekaran P, Rogers DS, White JB, Townsend SK, White ES, Nho RS, Higgins PD, Huang SK, Sisson TH.Int J Biochem Cell Biol. 2011 Oct 25.2.The Closely Related RNA helicases, UAP56 and URH49, Preferentially Form Distinct mRNA Export Machineries and Coordinately Regulate Mitotic Progression.Yamazaki T, Fujiwara N, Yukinaga H, Ebisuya M, Shiki T, Kurihara T, Kioka N, Kambe T, Nagao M, Nishida E, Masuda S.Mol Biol Cell. 2010 Aug 15;21(16):2953-65. Epub 2010 Jun 23.

Images

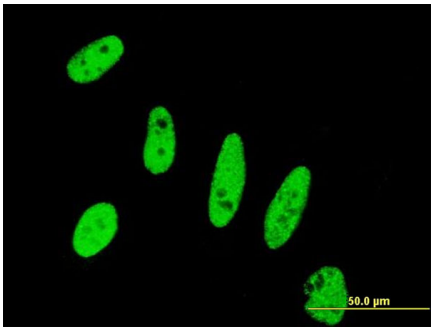


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

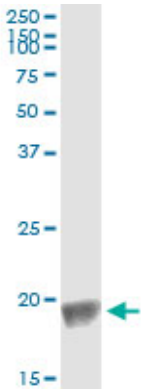


Western Blot analysis of BIRC5 expression in transfected 293T cell line by BIRC5 monoclonal antibody (M01), clone 5B10.

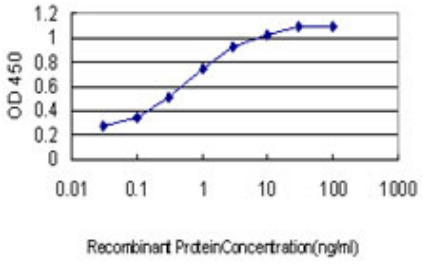
Lane 1: BIRC5 transfected lysate(16.4 KDa).
Lane 2: Non-transfected lysate.



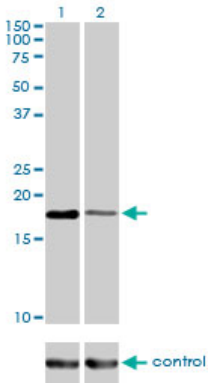
Immunofluorescence of monoclonal antibody to BIRC5 on HeLa cell . [antibody concentration 10 ug/ml]



Immunoprecipitation of BIRC5 transfected lysate using anti-BIRC5 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with BIRC5 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged BIRC5 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of BIRC5 over-expressed 293 cell line, cotransfected with BIRC5 Validated Chimera RNAi ((Cat # AT1299a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.