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BIRC5 Antibody (monoclonal) (M01)

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

Specification

BIRC5 Antibody (monoclonal) (M01) - Product Information

Application	**IF, IP, WB, E**
Primary Accession	O15392
Other Accession	NM_001168
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**16389**

BIRC5 Antibody (monoclonal) (M01) - 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

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.

BIRC5 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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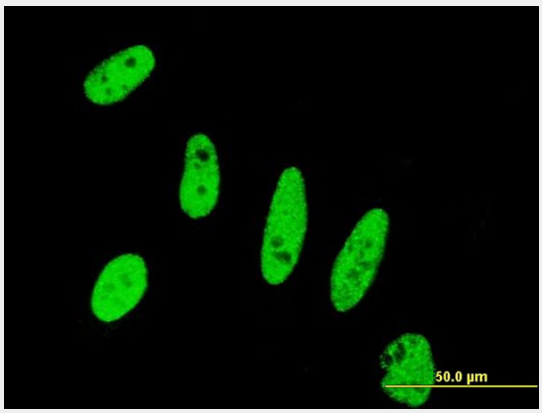
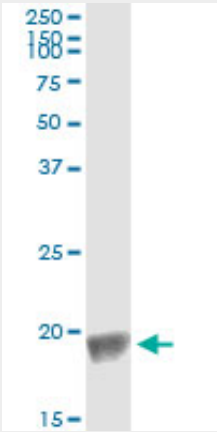
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

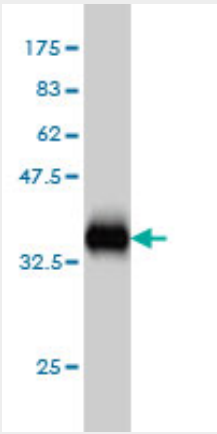
BIRC5 Antibody (monoclonal) (M01) - Images



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.



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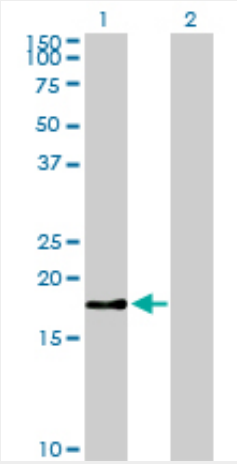
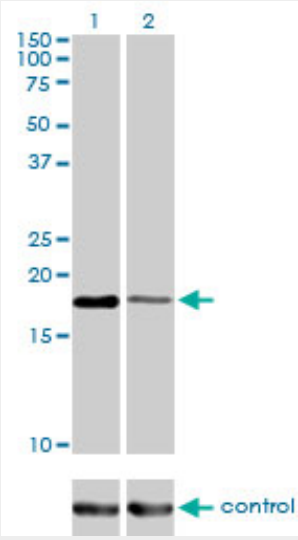
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

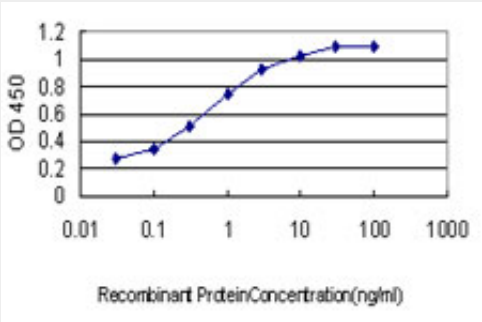


Western Blot analysis of BIRC5 expression in transfected 293T cell line by BIRC5 monoclonal antibody (M01), clone 5B10.

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



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



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

antibody.

BIRC5 Antibody (monoclonal) (M01) - 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.

BIRC5 Antibody (monoclonal) (M01) - 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.