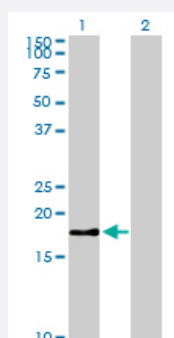


BIRC5 monoclonal antibody (M01), clone 5B10

Catalog # H000003332-M01

Size 100 ug

Applications

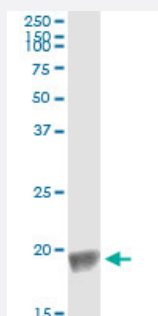


Western Blot (Transfected lysate)

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

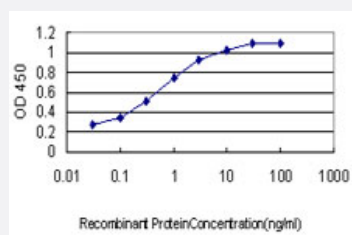
Lane 1: BIRC5 transfected lysate (16.4 KDa).

Lane 2: Non-transfected lysate.



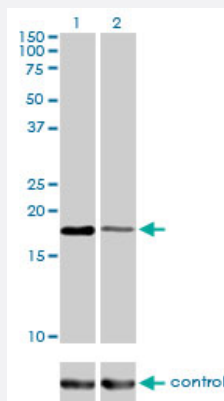
Immunoprecipitation

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



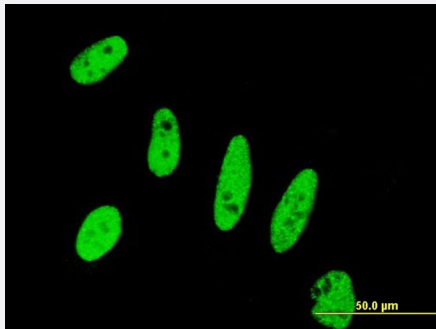
Sandwich ELISA (Recombinant protein)

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



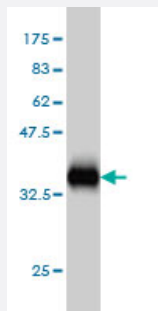
RNAi Knockdown (Antibody validated)

Western blot analysis of BIRC5 over-expressed 293 cell line, cotransfected with BIRC5 Validated Chimera RNAi (Cat # H00000332-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with BIRC5 monoclonal antibody (M01), clone 5B10 (Cat # H00000332-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant BIRC5.
Immunogen	BIRC5 (NP_001159, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGAPTLPPAWQPFLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQCFKEL EGWEPDDDDPIEEHKKHSSGCAFLSVKKQFEELTLGE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

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

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of BIRC5 over-expressed 293 cell line, cotransfected with BIRC5 Validated Chimera RNAi (Cat # H00000332-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with BIRC5 monoclonal antibody (M01), clone 5B10 (Cat # H00000332-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

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

Gene Info — BIRC5

Entrez GeneID [332](#)

GeneBank Accession# [NM_001168](#)

Protein Accession# [NP_001159](#)

Gene Name BIRC5

Gene Alias API4, EPR-1

Gene Description baculoviral IAP repeat-containing 5

Omim ID [603352](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 nature of only three of them have been determined. [provided by RefSeq]

Other Designations apoptosis inhibitor 4|baculoviral IAP repeat-containing protein 5|survivin variant 3 alpha

Publication Reference

- [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.

The International Journal of Biochemistry & Cell Biology 2012 Jan; 44(1):158.

- [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.

Molecular Biology of the Cell 2010 Jun; 21(16):2953.

Application: WB-Tr, Human, UAP56i, URH49i cells

Pathway

- [Colorectal cancer](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
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- [Neoplasm Recurrence](#)
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