

Product Datasheet

BIRC5 Antibody (orb1240039)

Catalog Number	orb1240039
Category	Antibodies
Description	BIRC5 Antibody
Target	BIRC5
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Bovine, Mouse, Porcine, Rat
Form/Appearance	Liquid
Concentration	1 mg/ml
Buffer/Preservatives	Survivin Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	Survivin Antibody is affinity chromatography purified via peptide column.
Immunogen	Anti-Survivin antibody (orb1240039) was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human Survivin. The immunogen is located within the last 50 amino acids of Survivin.
UniProt ID	O15392
MW	Predicted: 17kD Observed: 17 kD

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7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

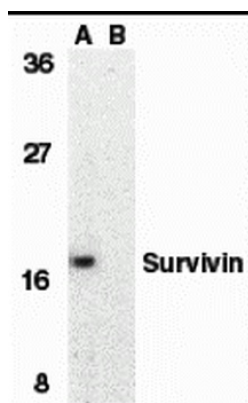
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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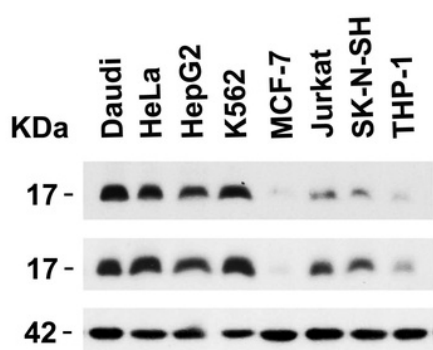
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	ELISA, ICC, IF, WB
Antibody Type	Primary Antibody
Modifications	None
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	NP_001159
Expiration Date	12 months from date of receipt.



Western Blot Validation in Human MOLT4 Cell Lysate with the absence (A) or presence (B) of blocking peptide. Loading: 15 µg of lysates per lane. Antibodies: Survivin orb1240039 (1 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines. Loading: 15 µg of lysates per lane. Antibodies: Survivin orb1240054 (5 µg/mL), Survivin orb1240039 (4 µg/mL) and beta-actin orb1240312 (1 µg/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

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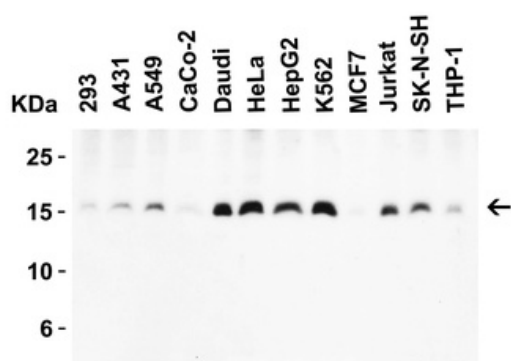
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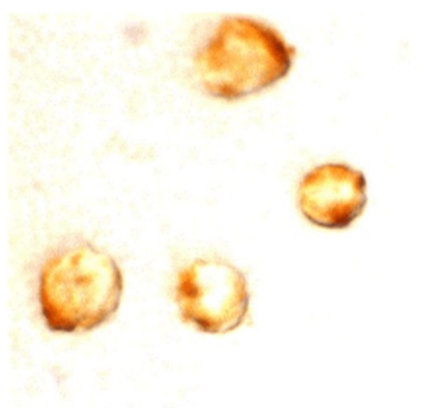
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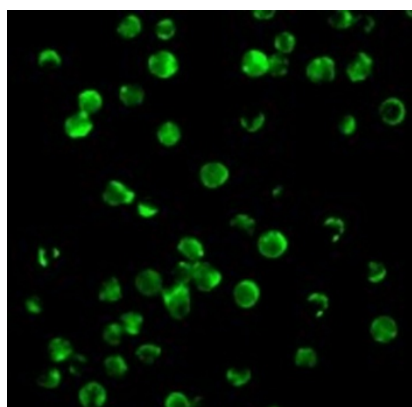
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Western Blot Validation in Human Cell Lines. Loading: 15 µg of lysates per lane. Antibodies: Survivin orb1240039 (4 µg/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry Validation of Survivin in MOLT4 Cells. Immunocytochemical analysis of MOLT4 cells using anti-Survivin antibody (orb1240039) at 10 µg/ml. Cells was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunofluorescence Validation of Survivin in MOLT4 Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed MOLT4 cells labeling Survivin with orb1240039 at 10 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green).

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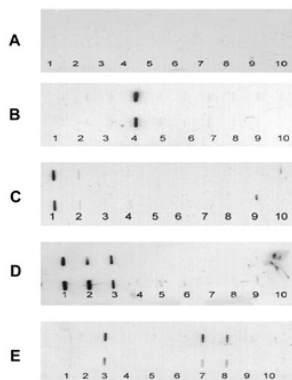
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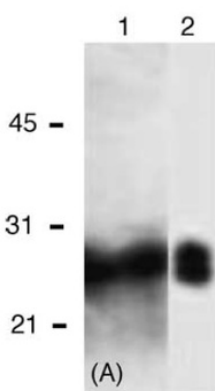
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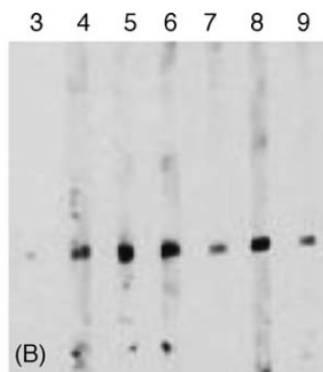
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Slot Blot Validation of Survivin in Hepatocellular Carcinoma (HCC) Patients (Zhang et al., 2007). Slot blot analysis of Survivin recombinant protein expression with anti-Survivin antibodies (orb1240039) in the four representative HCC sera. Survivin (Lane 7) was detected in the fourth HCC serum (E), but not in the normal human serum (A) and the other three HCC sera (B-D). Phosphate buffered saline (PBS) (Lanes 9 and 10) was used as a negative control.



Western Blot Validation of Survivin with Recombinant Protein (Megliorino et al., 2005). Lane 1: A 28 kDa peptide that corresponded to the size of ORF of survivin was detected in SDS-PAGE with Coomassie blue staining. Lane 2: WB analysis of Survivin recombinant protein expression with anti-Survivin antibodies (orb1240039).



Western Blot Validation of Survivin with Recombinant Protein in Sera from Cancer Patients (Megliorino et al., 2005). WB analysis of Survivin recombinant protein expression with anti-Survivin antibodies (orb1240039) in six cancer sera. 6 x His-tagged Survivin recombinant protein (Lanes 4-9) was strongly detected at 28kD, but not in the normal human serum (Lane 3).

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