Product Datasheet

Survivin Antibody [HRP]
NB500-201H-0.1ml

Unit Size: 0.1 ml

Store at 4C in the dark.

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Reviews: 1 Publications: 5

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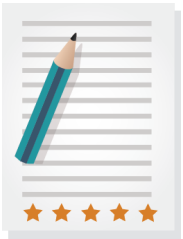
Updated 10/23/2024 v.20.1



NB500-201H-0.1ml

Survivin Antibody [HRP]

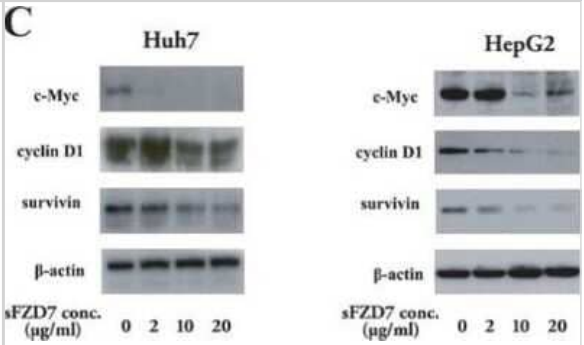
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Conjugate	HRP
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	16 kDa

Product Description	
Host	Rabbit
Gene ID	332
Gene Symbol	BIRC5
Species	Human, Mouse, Rat, Canine, Feline, Guinea Pig, Hamster
Reactivity Notes	Hamster reactivity reported in scientific literature (PMID: 23405201). Guinea Pig reactivity reported in scientific literature (PMID: 21364656).
Immunogen	This Survivin Antibody was developed against full length recombinant human Survivin [UniProt# O15392]

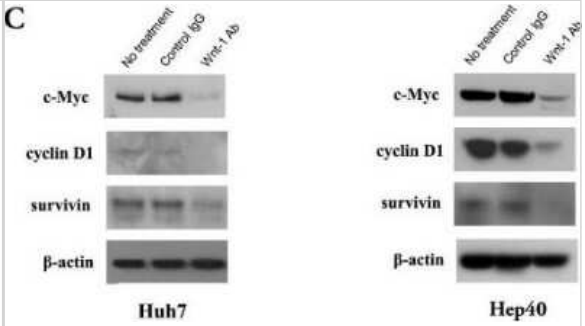
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Dual RNAscope ISH-IHC, Knockdown Validated
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Dual RNAscope ISH-IHC
Application Notes	This Survivin antibody is useful for Chromatin Immunoprecipitation, Immunocytochemistry/Immunofluorescence, Immunohistochemistry on paraffin-embedded sections, Immunoprecipitation and Western Blot. In WB, a band at ~16.5 kDa can be seen. For IHC, prior antigen retrieval (pressure cooking) is recommended for cytoplasmic and nuclear detection of Survivin. Immunohistochemistry-Frozen and Flow Cytometry were reported in scientific literature. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

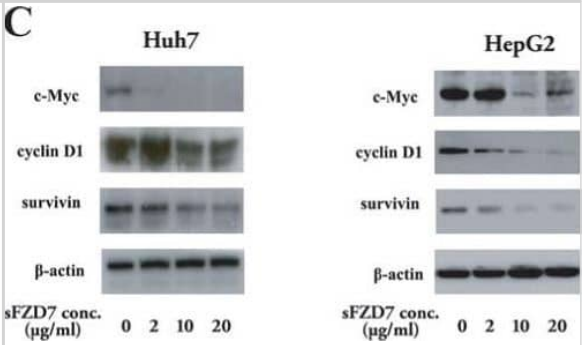
Western Blot: Survivin Antibody [HRP] [NB500-201H] - sFZD7 inhibits Wnt/beta-catenin signaling and suppresses the expression of downstream oncoproteins. The effect of sFZD7 on the expression of beta-catenin/Tcf4 target genes c-Myc, cyclin D1, and survivin. Huh7 and HepG2 cells were incubated for 48 h with sFZD7 at various concentrations and c-Myc, cyclin D1, survivin, and beta-actin (loading control) levels were determined by Western blotting using specific antibodies. Image collected and cropped by CiteAb from the following publication (https://molecular-cancer.biomedcentral.com/articles/10.1186/1476-4598-10-16), licensed under a CC-BY license.



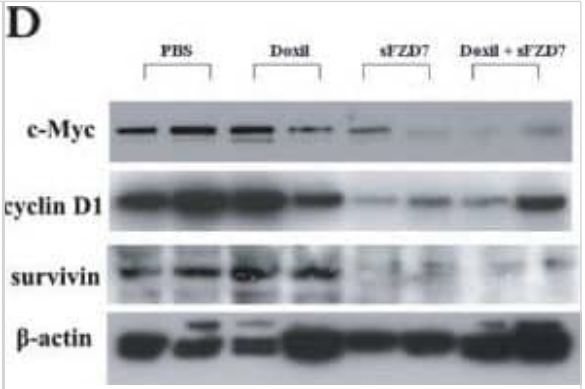
Western Blot: Survivin Antibody [HRP] [NB500-201H] - Anti-Wnt-1 antibody inhibited beta-catenin/Tcf4 transcriptional activity. The effect of anti-Wnt-1 antibody on the expression of beta-catenin/Tcf4 target genes c-Myc, cyclin D1, and survivin. Huh7 and Hep40 cells were incubated for 48 hr with anti-Wnt-1 antibody (2 ug/ml) and c-Myc, cyclin D1, survivin and beta-actin (loading control) levels were determined by Western blotting using specific antibodies. Image collected and cropped by CiteAb from the following publication (https://molecular-cancer.biomedcentral.com/articles/10.1186/1476-4598-8-76), licensed under a CC-BY license.



Western Blot: Survivin Antibody [HRP] [NB500-201H] - sFZD7 inhibits Wnt/β-catenin signaling & suppresses the expression of downstream oncoproteins. (A). sFZD7 decreased nuclear β-catenin accumulation but did not decrease cytoplasmic β-catenin in Huh7 & HepG2 cells. Histone-H3 & β-actin were used as loading controls for nuclear & cytoplasmic proteins, respectively. (B). Tcf4 reporter assay of Tcf4-dependent transcriptional activity in Huh7 & HepG2 cells. Cells were co-transfected with plasmid encoding β-gal (a control for transfection efficiency) & either the pTOPFLASH or pFOPFLASH reporters. Cells were incubated with control PBS or sFZD7 at various concentrations & harvested after 48 h to measure luciferase & β-gal activities. Reporter gene activation is expressed as relative light units (RLU) detected in pTOPFLASH or pFOPFLASH transfected cells & normalized for β-galactosidase activity. The results are expressed as mean ± SD (error bars). Experiments were performed in triplicates (Independent t-test, *P < 0.05.) (C). The effect of sFZD7 on the expression of β-catenin/Tcf4 target genes c-Myc, cyclin D1, & survivin. Huh7 & HepG2 cells were incubated for 48 h with sFZD7 at various concentrations & c-Myc, cyclin D1, survivin, & β-actin (loading control) levels were determined by Western blotting using specific antibodies. Image collected & cropped by CiteAb from the following publication (https://molecular-cancer.biomedcentral.com/articles/10.1186/1476-4598-10-16), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Survivin Antibody [HRP] [NB500-201H] - sFZD7 sensitizes HCC cells to the anti-proliferative effect of doxorubicin in vivo. (A). Combination of sFZD7 & Doxil enhanced xenograft growth inhibition in vivo. Mice bearing Huh7-tumor xenografts were intratumorally injected weekly with PBS control; sFZD7 only (12.5 mg/kg); Doxil only (2.5 mg/kg); or sFZD7 (12.5 mg/kg) combined with Doxil (2.5 mg/kg) (n=5 in each treatment group). Tumor size was measured with digital calipers every three days. Significant differences in the tumor volumes between all treatment groups & the PBS control were observed after 14 days of treatment (*P < 0.05). Additionally, the sFZD7 plus Doxil combination group showed significant differences in tumor volumes compared with sFZD7 only or Doxil only groups after 17 days of treatment (*P < 0.05). (B). TUNEL staining of xenograft specimens removed from PBS control & all treatment groups (200 × magnification). Red arrows indicate some positively stained, apoptotic cells. (C). Representative cyclin D1 immunostaining of xenograft specimens removed from PBS control & all treatment groups are shown (200 × magnification). (D). Protein levels of c-Myc, cyclin D1, survivin, & β-actin (loading control) in tumor xenografts from two mice in each group were determined by Western blotting using specific antibodies. (E). The expression levels of c-Myc, cyclin D1, survivin were determined by analyzing Western blots with the ImageJ software, & normalizing their signal intensities to β-actin. Image collected & cropped by CiteAb from the following publication (https://molecular-cancer.biomedcentral.com/articles/10.1186/1476-4598-10-16), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Mega Tiber P, Kocyigit Sevinc S, Kilinc O, Orun O Biological effects of whole Z.Officinale extract on chronic myeloid leukemia cell line K562. Gene. 2019-04-15 [PMID: 30684525] (WB, Human)

Details:
Citation using the Azide free version of this antibody.

Lettini G, Sisinni L, Condelli V et al. TRAP1 regulates stemness through Wnt/beta-catenin pathway in human colorectal carcinoma Cell Death Differ 2016-11-01 [PMID: 27662365] (Human)

Details:
This reference used the HRP version of NB500-201.

Wei W, Chua MS, Grepper S, So SK et al. Soluble Frizzled-7 receptor inhibits Wnt signaling and sensitizes hepatocellular carcinoma cells towards doxorubicin. Mol Cancer 2011-01-01 [PMID: 21314951]

Details:
Using the HRP conjugated version of NB500-201, catalog number NB500-201H.

Wei W, Chua MS, Grepper S, So SK et al. Blockade of Wnt-1 signaling leads to anti-tumor effects in hepatocellular carcinoma cells. Mol Cancer 2009-01-01 [PMID: 19778454]

Details:
Using the HRP conjugated version of NB500-201, catalog number NB500-201H.

Sun B, Kawahara M, Ehata S et al. AAG8 promotes carcinogenesis by activating STAT3. Cell Signal 2014-04-12 [PMID: 24726897] (WB, Human)

Details:
Using the HRP conjugated version of NB500-201, catalog number NB500-201H.

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Products Related to NB500-201H-0.1ml

NBL1-07987	Survivin Overexpression Lysate
NBP2-24891H	Rabbit IgG Isotype Control [HRP]
NB500-201B-0.1ml	Survivin Antibody [Biotin]
NB110-92717PEP	Survivin Antibody Blocking Peptide

Limitations
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