

Product datasheet for **TA301775**

BIRC5 Rabbit Polyclonal Antibody

Product data:

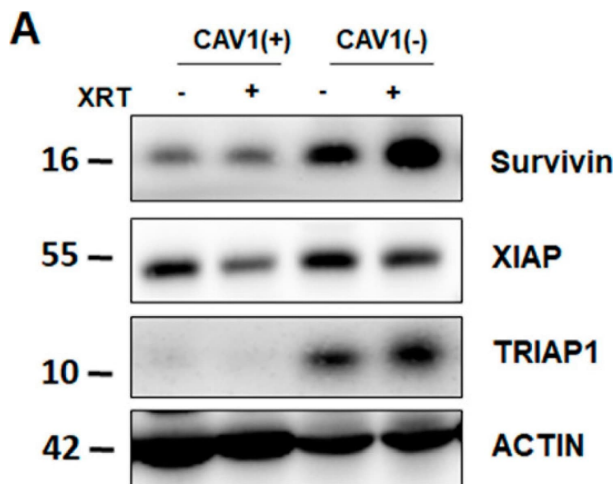
Product Type:	Primary Antibodies
Applications:	ChIP, ELISA, FC, ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Immunohistochemistry-Frozen, Flow Cytometry, ELISA, Chromatin Immunoprecipitation (ChIP): 1:10-1:500, Immunohistochemistry: 1:50-1:100, Immunocytochemistry/Immunofluorescence: 1:50-1:250, Immunoprecipitation: 1:10-1:500, Western Blot: 1:1000, Immunohistochemistry-Paraffin: 1:50-1:500, Simple Western: 1:25, Dual RNAscope ISH-IHC, Knockdown Validated
Reactivity:	Human, Mouse, Rat, Feline, Dog
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full-length recombinant human survivin.
Formulation:	Tris-glycine with 150mM NaCl and 0.05% sodium azide
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	baculoviral IAP repeat containing 5
Database Link:	NP_001159 Entrez Gene 11799 Mouse Entrez Gene 64041 Rat Entrez Gene 442936 Dog Entrez Gene 332 Human O15392

Background: Regulated inhibition of programmed cell death (apoptosis) preserves normal homeostasis and tissue and organ morphogenesis. Aberrations in this process contribute to human diseases and cancer by abnormally prolonging cell viability. Recently, several apoptosis inhibitors related to the baculovirus iap gene have been found in various species, including human. IAP proteins contain one/three Cys/His baculovirus IAP repeats plus a C-terminal RING finger and are thought to block an evolutionary conserved step in apoptosis.

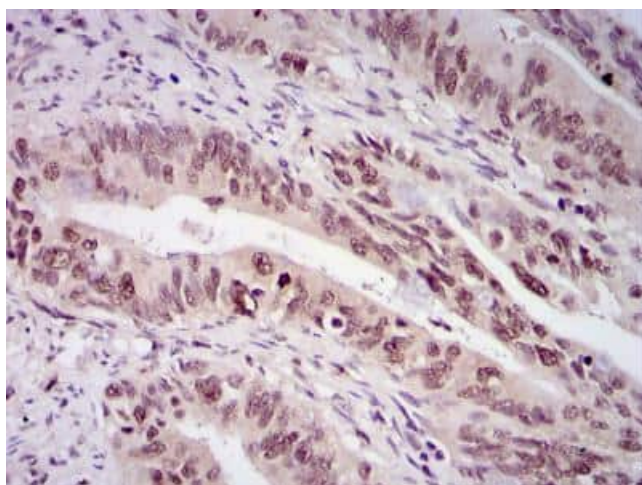


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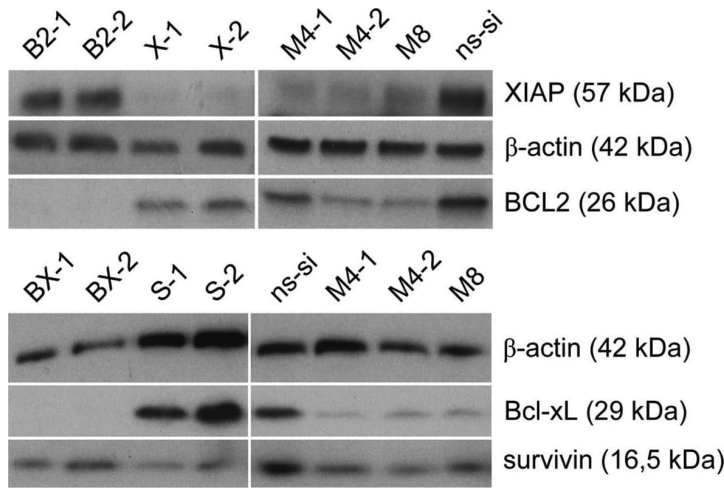
Synonyms: API4; EPR-1
Protein Families: Druggable Genome, Stem cell - Pluripotency
Protein Pathways: Colorectal cancer, Pathways in cancer

Product images:


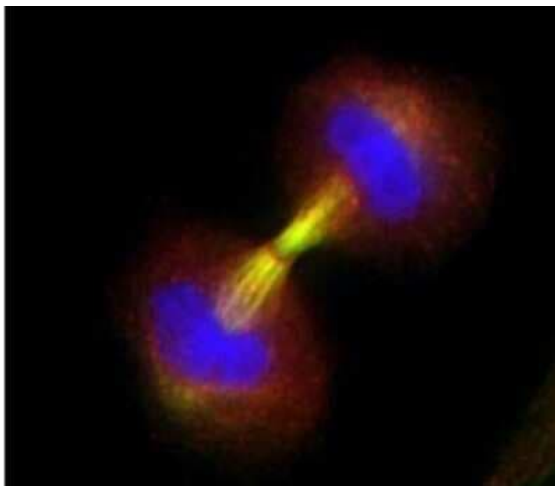
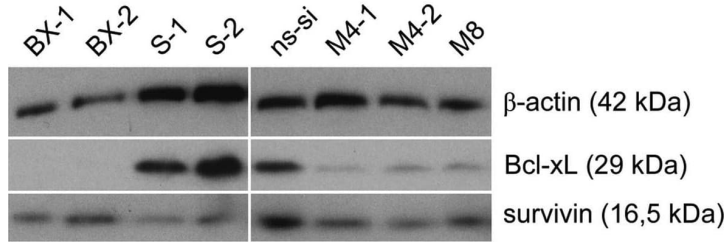
Radiation-resistant Caveolin-1 (CAV1)-silenced fibroblasts differentially express and secrete the apoptosis inhibiting protein TP53-regulated inhibitor of apoptosis 1 (TRIAPI).



Immunohistochemistry-Paraffin: Survivin Antibody TA301775 - Immunohistochemical staining of Survivin in human rectal cancer using TA301775 and DAB with hematoxylin counterstain.



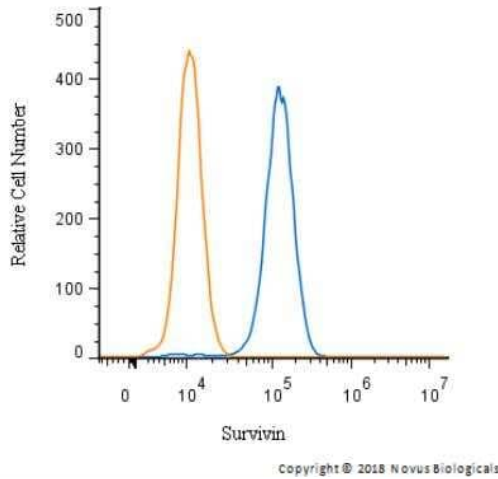
Detection of BCL2, Bcl-xL, XIAP and survivin protein content by western blotting 48 h after transfection with a total of 40 nM siRNA in EJ28 bladder cancer cells. Beta-actin was used for loading control.



Immunocytochemistry/Immunofluorescence: Survivin Antibody TA301775 - Analysis using the HRP conjugate of TA301775. Staining of Telophase with accumulation of survivin in the midbodies of two daughter cells. Survivin detection using TA301775.

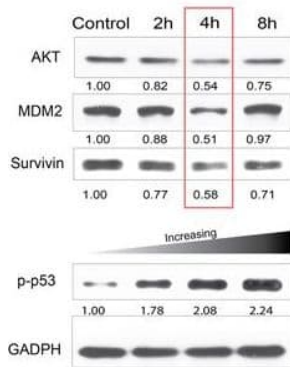


Simple Western: Survivin Antibody TA301775 - Simple Western analysis using TA301775. Lane view shows a specific band for Survivin in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Theoretical molecular weight: 16 kDa.

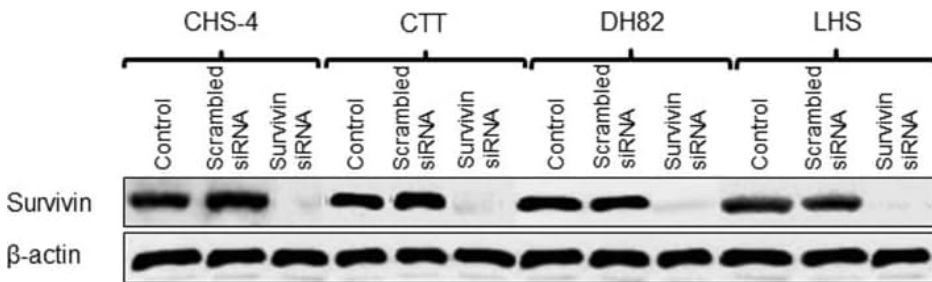


(A)

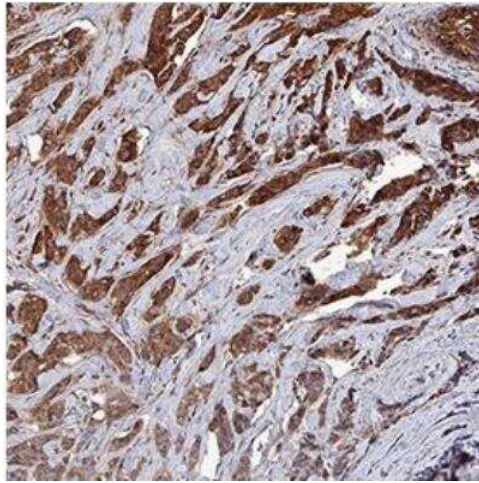
Flow Cytometry: Survivin Antibody TA301775 - An intracellular stain was performed on HeLa cells with TA301775 and a matched isotype control. Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550.



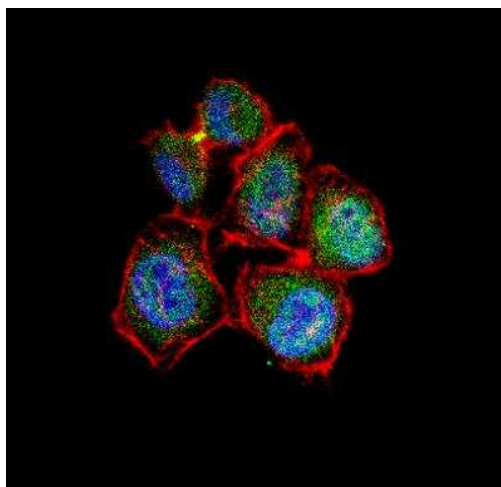
(A) Levels of suppression of Survivin and expression of p53 for 2 h, 4 h and 8 h for MBA-MD 231 cells. (B) Light microscopy images of the three cell types using nanoconstruct with the AS1411 aptamer. Cell population had been observed to reduce for the MBA-MD 231 cells and AGS while the non-tumorigenic cells MCF-10a did not exhibit any appreciable loss in cell number as well as cell morphology.



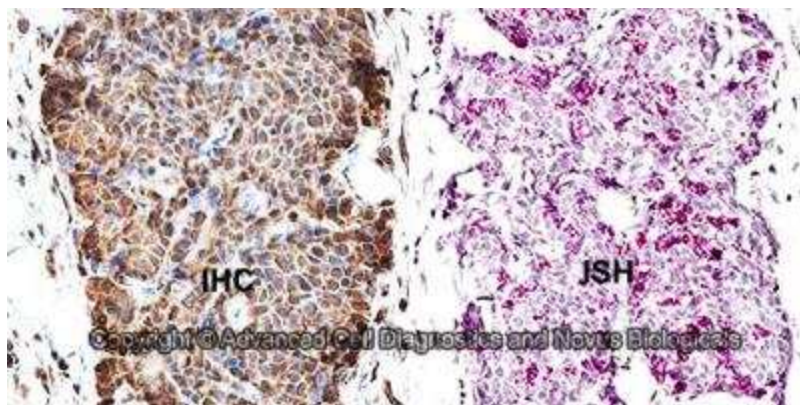
Expression of survivin protein in cell lines after transfection with siRNA. Survivin protein expression in CHS cell lines was evaluated by western blotting at 48 h after transfection with scrambled and survivin siRNA.



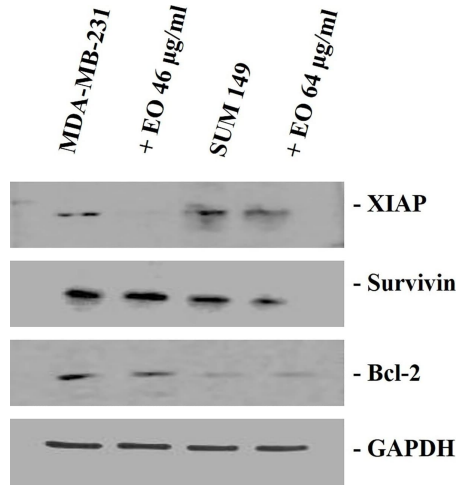
Immunohistochemistry-Paraffin: Survivin Antibody TA301775 - Survivin shows lysates of human neuroblastoma cell line. Polyvinylidene fluoride (PVDF) membrane was probed with 1:200 dilution of 0.5 ug/mL of rabbit polyclonal TA301775, followed by 1:2000 dilution of goat anti-rabbit IgG.



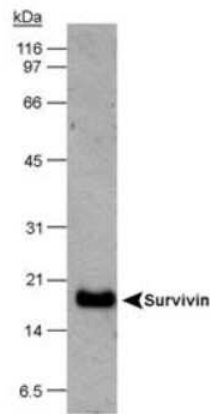
Immunocytochemistry/Immunofluorescence: Survivin Antibody TA301775 - Analysis of HeLa cells using Survivin Antibody (TA301775, 1:10). An Alexa Fluor 488-conjugated Goat to rabbit IgG was used as secondary antibody (green). Actin filaments were labeled with Alexa Fluor 568 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



Dual RNAscope ISH-IHC: Survivin Antibody TA301775 - Formalin-fixed paraffin-embedded tissue sections of human esophagus squamous cell carcinoma were probed for Survivin mRNA (ACD RNAscope Probe, [465361]; Fast Red chromogen, ACD [322360]). Adjacent tissue section was processed for immunohistochemistry using rabbit polyclonal TA301775 at 1.5ug/mL with overnight incubation at 4 degrees Celsius followed by incubation with anti-rabbit IgG VisUCyte HRP Polymer Antibody [VC003] and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). Specific staining was localized to tumor cells.



Western blotting analysis in MDA-MB-231 cells and SUM 149 cells. The cells were treated for 24 h with *C. juttae* essential oil (EO) (46 and 64 µg/ml, respectively). The data shown are the results of a representative experiment.



Western Blot: Survivin Antibody TA301775 - Analysis of 30ug of HeLa whole cell lysate [NB800-PC1] using rabbit polyclonal TA301775 at 1ug/ml. Detection was performed using ECL method with 1 minute exposure. Band detected at higher molecular weight than the predicted MW (16 kDa).