

Product datasheet for **TA301427**

BIRC5 Mouse Monoclonal Antibody [Clone ID: 32.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	32.1
Applications:	ELISA, FC, ICC/IF, IHC, IP, WB
Recommended Dilution:	ELISA, Immunoprecipitation, Immunohistochemistry: 20 ug/ml, Immunocytochemistry/ Immunofluorescence: 1:10-1:500, Western Blot: 1:1000, Flow Cytometry, Immunohistochemistry-Paraffin: 20 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Recombinant human survivin, full-length
Formulation:	PBS with 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G 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 332 Human O15392



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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-terminus RING finger and are thought to block an evolutionary conserved step in apoptosis. Survivin encodes a structurally unique inhibitor of apoptosis (IAP). Survivin expression is turned off during fetal development and is not found in non-neoplastic adult human tissues. Survivin becomes abundantly re-expressed in transformed cells and in all of the most common cancers of lung, colon, pancreas, breast and prostate in vivo. Survivin appears to be situated at the crossroads of cell death and cell division, governing a checkpoint involved in cytokinesis while also suppressing apoptosis. Survivin is also abundantly expressed in brain tissues (astrocytes and some neurons) of adult rats following traumatic brain injury. Survivin has been found co-expressed with NeuN (mature neuronal marker) and PCNA (a cell cycle protein). Survivin might affect regulation of neural cell proliferative responses after brain injury.

Synonyms:

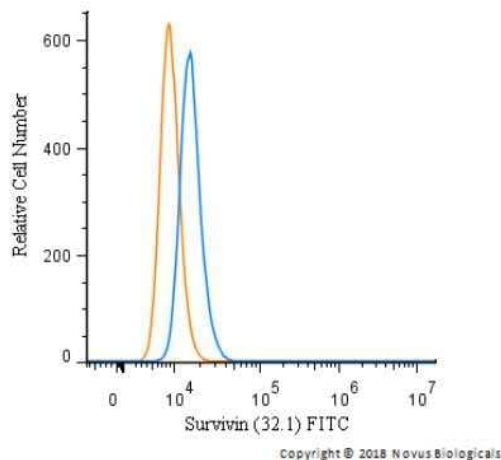
API4; EPR-1

Protein Families:

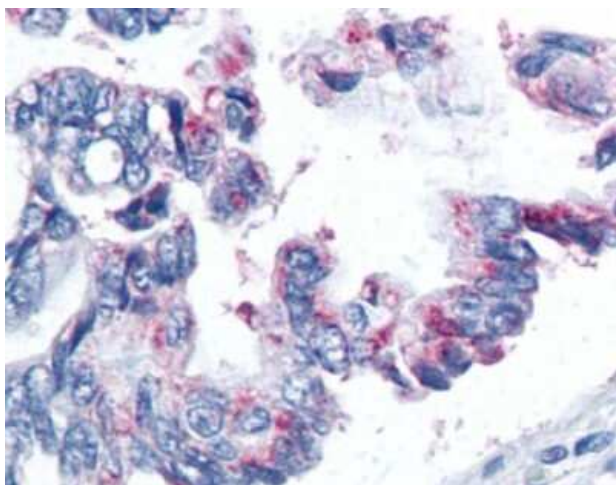
Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Colorectal cancer, Pathways in cancer

Product images:

Flow Cytometry: Survivin Antibody (32.1) TA301427 - An intracellular stain was performed on HeLa cells with FITC-conjugated Survivin Antibody (32.1) [TA301427F] (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to FITC.



Immunohistochemistry-Paraffin: Survivin Antibody (32.1) TA301427 - Immunohistochemical staining of formalin-fixed paraffin-embedded human lung cancer tissue using Survivin Antibody (32.1) TA301427.