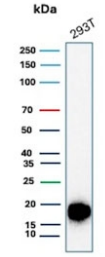
Survivin Antibody BIRC5/8936R / Apoptosis Inhibitor Survivin Antibody [clone BIRC5/8936R] (V4563)

Catalog No.	Formulation	Size
V4563-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4563-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4563SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

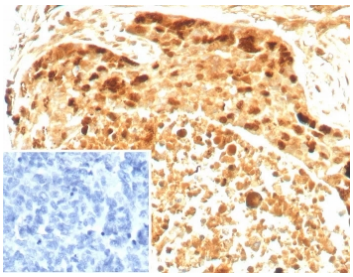
Recombinant RABBIT MONOCLONAL

Bulk quote request

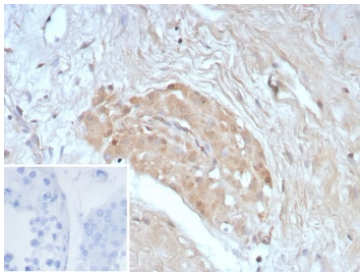
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	BIRC5/8936R
Purity	Protein A/G affinity
UniProt	O15392
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This Survivin Antibody BIRC5/8936R / Apoptosis Inhibitor Survivin Antibody is available for research use only.



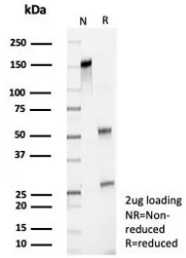
Survivin Antibody BIRC5/8936R in 293T Human Embryonic Kidney Cells WB. Western blot testing of human 293T embryonic kidney cell lysate with Survivin Antibody clone BIRC5/8936R shows a strong, discrete band at approximately 16-17 kDa. The observed migration is consistent with the predicted molecular weight of BIRC5/survivin and shows clean target detection with minimal background under the tested conditions.



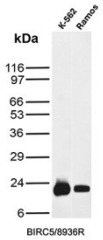
Survivin Antibody BIRC5/8936R in Human Ovarian Cancer IHC. Immunohistochemistry staining of FFPE human ovarian cancer tissue with Survivin Antibody clone BIRC5/8936R shows strong staining throughout the tumor-cell population. The PBS negative-control inset shows minimal background staining. Heat-induced epitope retrieval was performed by boiling tissue sections in pH 9 10 mM Tris with 1 mM EDTA for 20 min followed by cooling before testing.



Survivin Antibody BIRC5/8936R in Human Testis IHC. Immunohistochemistry staining of FFPE human testis tissue with Survivin Antibody clone BIRC5/8936R shows localized staining within the seminiferous tubules, with comparatively limited staining in the surrounding tissue. The PBS negative-control inset shows minimal background. Heat-induced epitope retrieval was performed by boiling sections in pH 9 10 mM Tris with 1 mM EDTA for 20 min followed by cooling before testing.



Purified Survivin Antibody BIRC5/8936R SDS-PAGE. SDS-PAGE analysis of 2 ug purified, BSA-free Survivin Antibody clone BIRC5/8936R under non-reduced (N) and reduced (R) conditions demonstrates the integrity of the recombinant rabbit monoclonal antibody preparation. The non-reduced antibody migrates predominantly near approximately 150 kDa, while reduction produces the expected immunoglobulin heavy-chain band near 50 kDa.



Survivin Antibody BIRC5/8936R in K-562 Leukemia and Ramos Lymphoma Cells WB. Western blot testing of human K-562 chronic myelogenous leukemia and Ramos B-cell lymphoma cell lysates with Survivin Antibody clone BIRC5/8936R shows a strong band at approximately 16-17 kDa in both samples, with greater signal intensity in K-562 cells. The observed migration is consistent with the expected molecular weight of BIRC5/survivin, supporting specific target detection under the tested conditions.

Description

Survivin Antibody BIRC5/8936R / Apoptosis Inhibitor Survivin Antibody recognizes survivin, a member of the inhibitor of apoptosis protein (IAP) family encoded by the BIRC5 gene. Survivin is a small regulatory protein with important functions in both cell survival and mitosis. Unlike many other IAP family members, survivin contains a single baculoviral IAP repeat domain and lacks the typical C-terminal RING finger domain. Its dual roles in suppressing apoptosis and regulating cell division have made BIRC5 an extensively studied protein in cancer and cell biology.

Survivin participates in the chromosomal passenger complex together with Aurora B kinase, INCENP, and borealin/CDCA8. This complex regulates several critical events during mitosis, including chromosome alignment and segregation, correction of kinetochore-microtubule attachments, spindle checkpoint function, and cytokinesis. Survivin contributes to localization and activity of the complex as cells progress through mitosis, linking BIRC5 expression closely with cellular proliferation.

BIRC5 is also associated with resistance to programmed cell death. Through interactions with components of apoptotic signaling pathways, survivin can promote cell survival and reduce susceptibility to apoptosis. The balance between its mitotic and anti-apoptotic functions is influenced by protein localization, molecular interactions, and cell-cycle status, allowing survivin to coordinate mechanisms governing cell division and survival.

Survivin expression is generally low in most differentiated adult tissues but is elevated during development and in many malignancies. Increased BIRC5 expression has been investigated in numerous solid tumors and hematologic cancers and has been associated with tumor-cell proliferation, resistance to apoptosis, disease progression, and treatment response. These characteristics have made survivin an important subject in cancer biomarker and therapeutic-target research.

Alternative splicing of BIRC5 produces several survivin isoforms, including survivin-2B and survivin-deltaEx3, which may differ in localization and biological activity. Studies of BIRC5 therefore encompass apoptosis regulation, mitotic control, cell proliferation, cancer biology, and the functional significance of survivin isoforms.

NSJ Bioreagents offers clone BIRC5/8936R as a recombinant monoclonal reagent for investigating survivin biology. A Survivin Antibody can support research into BIRC5 expression, apoptosis resistance, mitotic regulation, cellular proliferation, and cancer-associated mechanisms involving Apoptosis Inhibitor Survivin.

Explore our Cancer Marker Antibodies page for additional reagents targeting proteins associated with tumor biology, cell proliferation, apoptosis, and cancer progression.

Application Notes

Optimal dilution of the Survivin Antibody BIRC5/8936R / Apoptosis Inhibitor Survivin Antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-100) from the human protein was used as the immunogen for the recombinant Survivin Antibody BIRC5/8936R.

Storage

Aliquot the Survivin Antibody BIRC5/8936R and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Survivin antibody, BIRC5 antibody, Apoptosis inhibitor survivin antibody, Baculoviral IAP repeat-containing protein 5 antibody, API4 antibody, EPR-1 antibody

Copyright © NSJ Bioreagents. All rights reserved.