

ARG63696 anti-Survivin antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Survivin
Tested Reactivity	Hu
Predict Reactivity	Cat, Cow, Dog, Pig
Tested Application	WB
Specificity	This antibody is expected to recognize the reported isoforms 1 (NP_001159.2) and isoform 3 (NP_001012271.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Survivin
Species	Human
Immunogen	CVRRRAIEQLAAMD
Conjugation	Un-conjugated
Alternate Names	API4; Apoptosis inhibitor 4; EPR-1; Apoptosis inhibitor survivin; Baculoviral IAP repeat-containing protein 5

Application Instructions

Application table	Application	Dilution
	WB	0.01 - 0.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 332 Human](#)

[Swiss-port # O15392 Human](#)

Background

This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors, yet low in adult tissues. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Neuroscience antibody

Calculated Mw

16 kDa

PTM

Ubiquitinated by the Cul9-RING ubiquitin-protein ligase complex, leading to its degradation. Ubiquitination is required for centrosomal targeting. In vitro phosphorylation at Thr-117 by AURKB prevents interaction with INCENP and localization to mitotic chromosomes (PubMed:14610074). Phosphorylation at Thr-48 by CK2 is critical for its mitotic and anti-apoptotic activities (PubMed:21252625). Phosphorylation at Thr-34 by CDK15 is critical for its anti-apoptotic activity (PubMed:24866247). Phosphorylation at Ser-20 by AURKC is critical for regulation of proper chromosome alignment and segregation, and possibly cytokinesis. Acetylation at Lys-129 by CBP results in its homodimerization, while deacetylation promotes the formation of monomers which heterodimerize with XPO1/CRM1 which facilitates its nuclear export. The acetylated form represses STAT3 transactivation. The dynamic equilibrium between its acetylation and deacetylation at Lys-129 determines its interaction with XPO1/CRM1, its subsequent subcellular localization, and its ability to inhibit STAT3 transactivation.

Images



ARG63696 anti-Survivin antibody WB image

Western blot: 35 µg of Molt-4 lysate stained with ARG63696 anti-Survivin antibody at 0.01 µg/ml dilution.