ARG67047
anti-Survivin antibody [SQab30320]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant rabbit Monoclonal antibody [SQab30320] recognizes Survivin
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab30320
Isotype	IgG
Target Name	Survivin
Species	Human
Immunogen	Synthetic peptide of Human Survivin.
Conjugation	Un-conjugated
Alternate Names	BIRC5, Baculoviral IAP Repeat Containing 5, Apoptosis Inhibitor 4, EPR-1, API4, Baculoviral IAP Repeat-Containing Protein 5, Apoptosis Inhibitor Survivin, Survivin, Baculoviral IAP Repeat-Containing 5, IAP4

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100
WB	1:500 - 1:2000

Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human tonsil
Observed Size	16-18 kDa

Properties

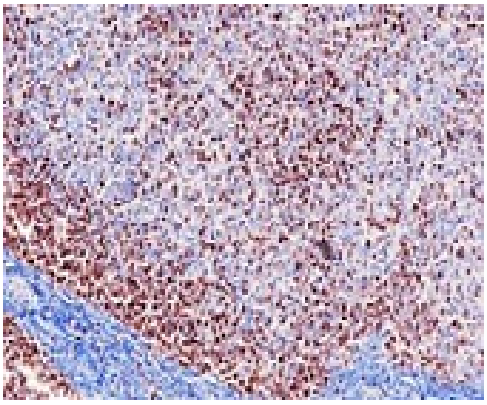
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05%BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot 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

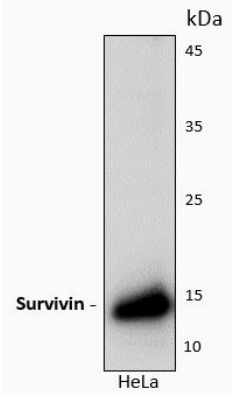
Gene Symbol	BIRC5
Gene Full Name	Baculoviral IAP Repeat Containing 5
Background	This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) 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]
Function	Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. Component of a chromosome passage protein complex (CPC) which is essential for chromosome alignment and segregation during mitosis and cytokinesi. Acts as an important regulator of the localization of this complex; directs CPC movement to different locations from the inner centromere during prometaphase to midbody during cytokinesis and participates in the organization of the center spindle by associating with polymerized microtubules. Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at 'Thr-3' (H3pT3) during mitosis. [Uniprot]
Calculated Mw	16 kDa
PTM	Ubiquitinated by the Cul9-RING ubiquitin-protein ligase complex, leading to its degradation. Ubiquitination is required for centrosomal targeting. [UniProt]
Cellular Localization	Centromere, Chromosome, Cytoplasm, Cytoskeleton, Kinetochore, Microtubule, Nucleus

Images



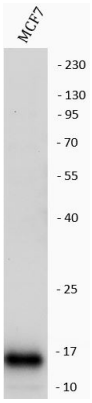
ARG67047 anti-Survivin antibody [SQab30320] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded human tonsil stained with ARG67047 anti-Survivin antibody [SQab30320].



ARG67047 anti-Survivin antibody [SQab30320] WB image (Customer review)

Western blot: HeLa stained with ARG67047 anti-Survivin antibody [SQab30320] at 1:500 dilution.



ARG67047 anti-Survivin antibody [SQab30320] WB image (Customer review)

Western blot: MCF7 stained with ARG67047 anti-Survivin antibody [SQab30320] at 1:500 dilution.