

Survivin Rabbit mAb

Catalog # AP77339

Product Information

Application	WB, IHC-P, IP
Primary Accession	O70201
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from mouse Survivin
Purification	Affinity Chromatography
Calculated MW	16298

Additional Information

Gene ID	11799
Other Names	Birc5
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

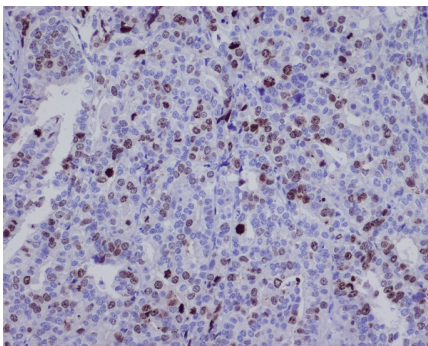
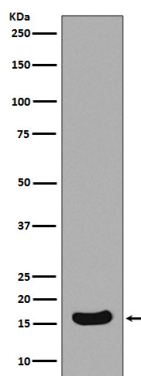
Name	Birc5
Synonyms	Api4, Iap4
Function	Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis (PubMed: 25778398). Component of a chromosome passage protein complex (CPC) which is essential for chromosome alignment and segregation during mitosis and cytokinesis (By similarity). 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 (By similarity). Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at 'Thr-3' (H3pT3) during mitosis (By similarity). The complex with RAN plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2

to microtubules (By similarity). May counteract a default induction of apoptosis in G2/M phase (By similarity). The acetylated form represses STAT3 transactivation of target gene promoters (By similarity). May play a role in neoplasia. Inhibitor of CASP3 and CASP7 (By similarity). Essential for the maintenance of mitochondrial integrity and function (PubMed:[25778398](#)).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:O15392}. Nucleus {ECO:0000250|UniProtKB:O15392}. Chromosome {ECO:0000250|UniProtKB:O15392}. Chromosome, centromere {ECO:0000250|UniProtKB:O15392}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:O15392}. Chromosome, centromere, kinetochore {ECO:0000250|UniProtKB:O15392}. Midbody {ECO:0000250|UniProtKB:O15392} Note=Localizes at the centromeres from prophase to metaphase, at the spindle midzone during anaphase and at the midbody during telophase and cytokinesis. Accumulates in the nucleus upon treatment with leptomycin B (LMB), a XPO1/CRM1 nuclear export inhibitor (By similarity) Localizes on chromosome arms and inner centromeres from prophase through metaphase. Localizes to kinetochores in metaphase, distributes to the midzone microtubules in anaphase and at telophase, localizes exclusively to the midbody. Colocalizes with AURKB at mitotic chromosomes. Acetylation at Lys-129 directs its localization to the nucleus by enhancing homodimerization and thereby inhibiting XPO1/CRM1-mediated nuclear export (By similarity). {ECO:0000250|UniProtKB:E3SCZ8, ECO:0000250|UniProtKB:O15392}

Images



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