

## Survivin Rabbit mAb

Catalog No: #52606

Package Size: #52606-1 50ul #52606-2 100ul

Orders: order@signalwayantibody.com

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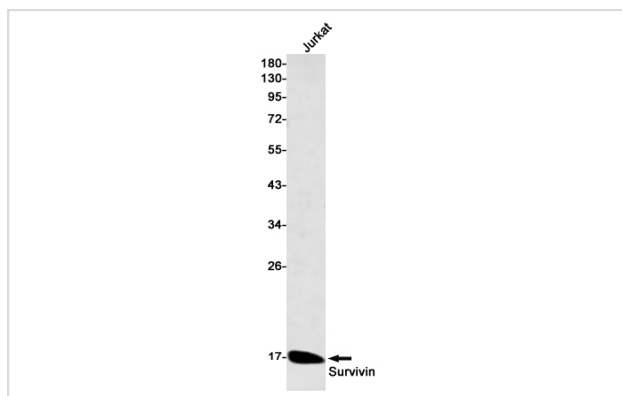
## Description

Product Name	Survivin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-1B1
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human
Immunogen Description	Recombinant protein of human Survivin
Conjugates	Unconjugated
Modification	Unmodification
Other Names	API4; EPR-1
Accession No.	Swiss-Prot:O15392GeneID:332
Uniprot	O15392
GeneID	332
Calculated MW	Calculated MW: 16 kDa; Observed MW: 16 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

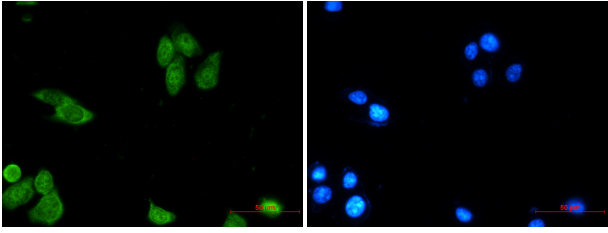
WB: 1/1000; ICC/IF: 1/1000;

## Images



Western blot detection of Survivin in Jurkat cell lysates using Survivin Rabbit mAb(1:500 diluted).Predicted band size:16kDa.Observed band size:16kDa.

Immunocytochemistry of Survivin (green) in MCF-7 using Survivin antibody at dilution 1/20, and DAPI(blue)



## Background

Swiss-Prot Acc.O15392.Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis (PubMed:9859993, PubMed:21364656, PubMed:20627126). Component of a chromosome passage protein complex (CPC) which is essential for chromosome alignment and segregation during mitosis and cytokinesis (PubMed:16322459). 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 (PubMed:20826784). Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at &#39;Thr-3&#39; (H3pT3) during mitosis (PubMed:20929775). 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 (PubMed:18591255). May counteract a default induction of apoptosis in G2/M phase (PubMed:9859993). The acetylated form represses STAT3 transactivation of target gene promoters (PubMed:20826784). May play a role in neoplasia (PubMed:10626797). Inhibitor of CASP3 and CASP7 (PubMed:21536684). Isoform 2 and isoform 3 do not appear to play vital roles in mitosis (PubMed:12773388, PubMed:16291752). Isoform 3 shows a marked reduction in its anti-apoptotic effects when compared with the displayed wild-type isoform (PubMed:10626797).

Note: This product is for in vitro research use only