



Rabbit Anti-phospho-Survivin (Thr117) antibody

SL7414R

Product Name:	phospho-Survivin (Thr117)
Chinese Name:	磷酸化Apoptosis抑制因子抗体
Alias:	Survivin (phospho T117); p-Survivin (phospho T117); API4; Apoptosis Inhibitor 4; Apoptosis inhibitor survivin; Apoptosis inhibitor4; Baculoviral IAP repeat containing 5; Baculoviral IAP repeat containing 5; Baculoviral IAP repeat containing protein 5; Baculoviral IAP repeat-containing protein 5; BIRC 5; BIRC 5; BIRC5; BIRC5_HUMAN; EPR-1; EPR 1; IAP-4; IAP4; Survivin variant 3 alpha; SVV; TIAP; TIAP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16.5kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human Survivin around the phosphorylation site of Thr117:KE(p-T)NN
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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:

Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. 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. May play a role in neoplasia. May counteract a default induction of apoptosis in G2/M phase. Inhibitor of caspase-3 and caspase-7. Isoform 2 and isoform 3 do not appear to play vital roles in mitosis. Isoform 3 shows a marked reduction in its anti-apoptotic effects when compared with the displayed wild-type isoform.

Subcellular Location:

Cytoplasm. Nucleus. Chromosome. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle. Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with AURKB at mitotic chromosomes.

Tissue Specificity:

Expressed only in fetal kidney and liver, and to lesser extent, lung and brain. Abundantly expressed in adenocarcinoma (lung, pancreas, colon, breast, and prostate) and in high-grade lymphomas. Also expressed in various renal cell carcinoma cell lines.

Post-translational modifications:

Ubiquitination is required for centrosomal targeting.

In vitro phosphorylation at Thr-117 by AURKB/STK12 prevents interaction with INCENP and localization to mitotic chromosomes.

Similarity:

Belongs to the IAP family.
Contains 1 BIR repeat.

SWISS:

O15392

Gene ID:

332

Database links:

[Entrez Gene: 332](#) Human

[Entrez Gene: 11799](#) Mouse

[Oimim: 603352](#) Human

[SwissProt: O15392](#) Human

[SwissProt: O70201](#) Mouse

[Unigene: 514527](#) Human

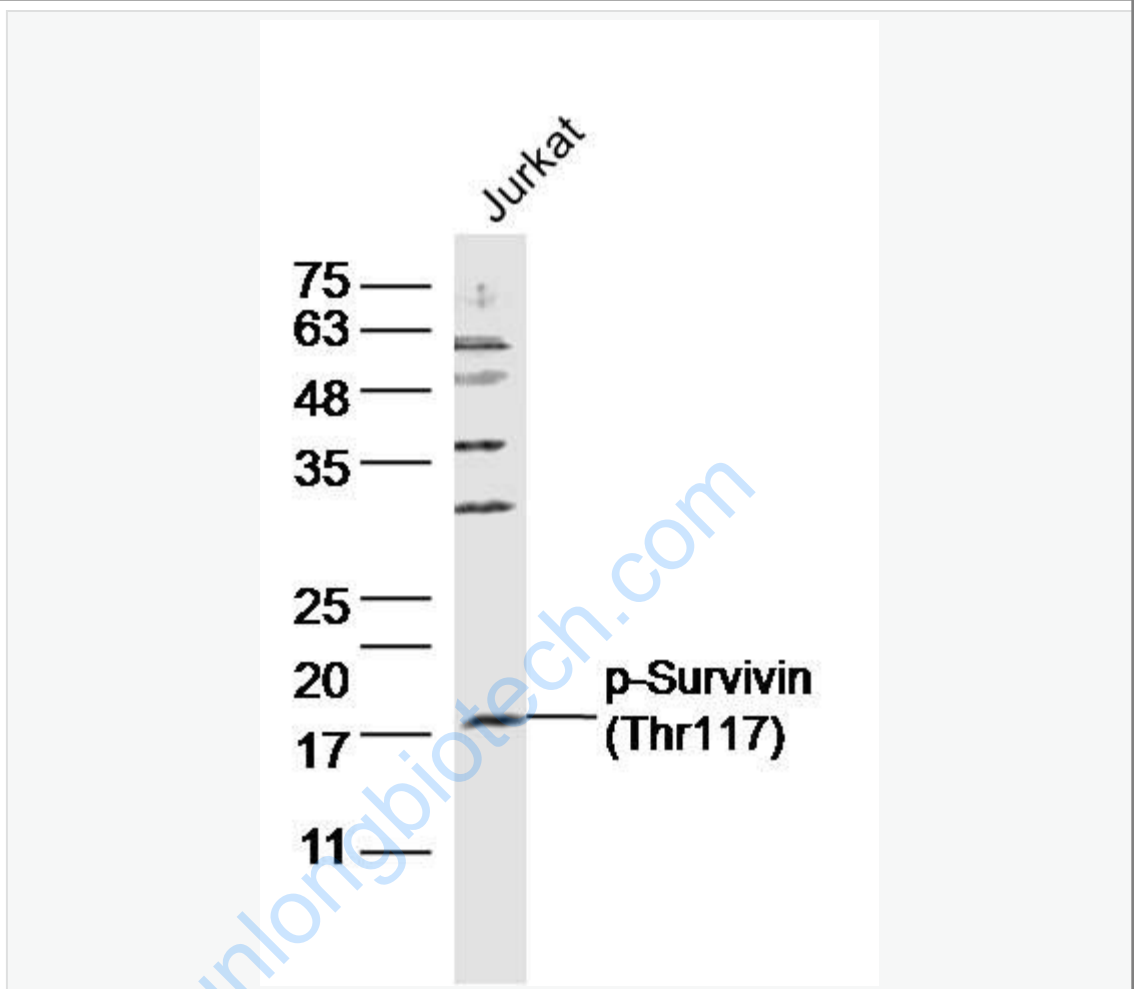
[Unigene: 8552](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample: Jurkat (Human) Cell Lysate at 40 ug

Primary: Anti-p-Survivin(Thr117) (SL7414R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 16.5 kD

Observed band size: 16.5 kD