

**Survivin (phospho Thr117) rabbit pAb****Cat#: orb768664 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Survivin (phospho Thr117) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Survivin around the phosphorylation site of Thr117. AA range:86-135
<b>Specificity</b>	Phospho-Survivin (T117) Polyclonal Antibody detects endogenous levels of Survivin protein only when phosphorylated at T117.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Baculoviral IAP repeat-containing protein 5
<b>Gene Name</b>	BIRC5
<b>Cellular localization</b>	Cytoplasm . Nucleus . Chromosome . Chromosome, centromere . Cytoplasm, cytoskeleton, spindle . Chromosome, centromere, kinetochore . Midbody . 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 (PubMed:11084331). Colocalizes with AURKB at mitotic chromosomes (PubMed:14610074). Acetylation at Lys-129 directs its

localization to the nucleus by enhanci

**Purification**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Clonality**

Polyclonal

**Concentration**

1 mg/ml

**Observed band**

**Human Gene ID**

332

**Human Swiss-Prot Number**

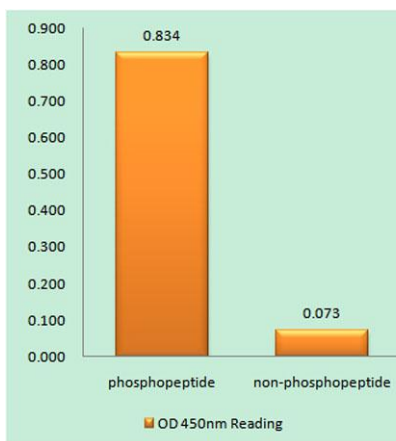
O15392

**Alternative Names**

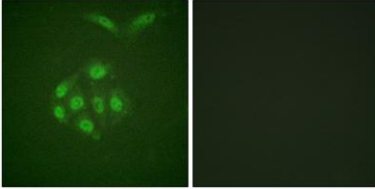
BIRC5; API4; IAP4; Baculoviral IAP repeat-containing protein 5; Apoptosis inhibitor 4; Apoptosis inhibitor survivin

**Background**

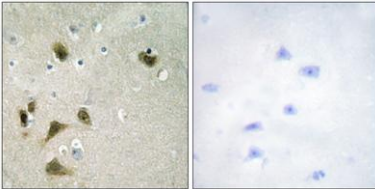
This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded 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],



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Survivin (Phospho-Thr117) Antibody**



**Immunofluorescence analysis of A549 cells, using Survivin (Phospho-Thr117) Antibody. The picture on the right is blocked with the phospho peptide.**



**Immunohistochemistry analysis of paraffin-embedded human brain, using Survivin (Phospho-Thr117) Antibody. The picture on the right is blocked with the phospho peptide.**