**Survivin (A-19): sc-8808**

**Background**

The *baculovirus* protein p35 inhibits virally induced apoptosis in invertebrate and mammalian cells and may function to impair the clearing of virally infected cells by the host’s immune system. This is accomplished at least in part by its ability to block both TNF- and FAS-mediated apoptosis through the inhibition of the ICE family of serine proteases. Two mammalian homologs of *baculovirus* p35, referred to as inhibitor of apoptosis protein (IAP) 1 and 2, share an amino terminal baculovirus IAP repeat (BIR) motif and a carboxy terminal ring finger. Although the c-IAPs do not directly associate with the TNF receptor (TNF-R), they efficiently block TNF-mediated apoptosis through their interaction with the downstream TNF-R effectors, TRAF1 and TRAF2. Additional IAP family members include ILP (IAP-like protein) and survivin. ILP inhibits apoptosis of the ICE family of serine proteases. Two mammalian homologs of Survivin (also designated TIAP) is expressed during the G2/M phase of the cell cycle and associates with microtubules of the mitotic spindle. Increased caspase-3 activity is detected when a disruption of survivin-microtubule interactions occurs.

**Chromosomal Location**

Genetic locus: BIRC5 (human) mapping to 17q25.3; Birc5 (mouse) mapping to 11 E2.

**Source**

Survivin (A-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of survivin of mouse origin.

**Product**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Blocking peptide available for competition studies, sc-8808 P (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**Applications**

Survivin (A-19) is recommended for detection of survivin of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein 1 ml of cell lysate), immunofluorescence (starting dilution 1:50, dilution range 1:500-1:5000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for survivin siRNA (h): sc-29499, survivin siRNA (m): sc-29500, survivin shRNA Plasmid (h): sc-29499-SH, survivin shRNA Plasmid (m): sc-29500-SH, survivin shRNA (h) Lentiviral Particles: sc-29499-V and survivin shRNA (m) Lentiviral Particles: sc-29500-V.

Molecular Weight of survivin: 17 kDa.

Positive Controls: MOLT-4 cell lysate: sc-2233, COLO320 DM cell lysate: sc-2226 or survivin (h): 293T Lysate: sc-129893.

**Storage**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**Research Use**

For research use only, not for use in diagnostic procedures.

**Data**

![Western blot analysis of survivin expression in non-transfected](image1)

![Western blot analysis of survivin expression in non-transfected](image2)

**Select Product Citations**


**Try [Survivin (D-8): sc-17779 or Survivin (C-6): sc-374616](http://www.scbt.com)**, our highly recommended monoclonal alternatives to survivin (A-19). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see [Survivin (D-8): sc-17779](http://www.scbt.com).