



### ***DB113: Survivin (C19)***

Survivin is a member of the inhibitor of apoptosis protein (IAP) family, which includes NAIP, cIAP1, cIAP2, XIAP, Ts-XIAP, ML-IAP and Apollon. (4) Survivin has been implicated in both apoptosis inhibition and cell cycle control. (3). Survivin expression has been described during embryonic development and in adult cancerous tissues, with greatly reduced expression in adult normal differentiated tissues, particularly if their proliferation index is low. (2) Survivin becomes prominently expressed in transformed cell lines and in all the most common human cancers of lung, colon, pancreas, prostate and breast, in vivo. (1)

#### **Origin:**

Survivin (C19) is an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the carboxy terminus of human Survivin.

#### **Product Details:**

Each vial contains 200 µg/ml of affinity-purified rabbit IgG, Survivin (C19), in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.

#### **Competition Studies:**

A blocking peptide is also available, *DB113P*, for use in competition studies. Each vial contains 100 µg of peptide in 0.5 ml PBS with 0.1% sodium azide and 100 µg BSA.

#### **Specificity:**

Survivin (C19) DB113 reacts with Survivin of human origin.

#### **Use:**

Western blotting and immunohistochemistry.

Western blotting starting dilution: 1:200.

#### **Storage:**

Store this product at 4° C, do not freeze. The product is stable for one year from the date of shipment.

#### **References:**

1. Ambrosini G, Adida C, Altieri DC. A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma. *Nat Med.* 1997 Aug;3(8):917-21.
2. O'Driscoll L, Linehan R, Clynes M. Survivin: role in normal cells and in pathological conditions. *Curr Cancer Drug Targets.* 2003 Apr;3(2):131-52.
3. Song Z, Liu S, He H, Hoti N, Wang Y, Feng S, Wu M. A single amino acid change (Asp 53 --> Ala53) converts Survivin from anti-apoptotic to pro-apoptotic. *Mol Biol Cell.* 2004 Mar;15(3):1287-96. Epub 2003 Dec 29.
4. Reed, John. The Survivin saga goes in vivo. *J Clin Invest*, October 2001, Volume 108, Number 7, 965-969