



### ***DB114: Ki-67 (C22)***

#### **Background:**

Ki-67 is a nuclear protein that is strictly associated with cell proliferation and may be a requirement for maintaining cell proliferation (1,2). Ki-67 is present during all the phases of the cell cycle (G1, S, G2 and M phase) except for the resting stage G0, making it an excellent marker for determining the growth fraction of a population of cells. Ki-67 has also been studied as a prognostic indicator in several malignant neoplasms and correlate to tumor grade and clinical course (1,2). Examples include non-Hodgkins lymphoma, Glioma, soft tissue sarcoma, and breast cancer.

#### **Origin:**

Ki-67 (C22) is an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the carboxy terminus of human Ki-67.

#### **Product Details:**

Each vial contains 200 µg/ml of affinity-purified rabbit IgG, Ki-67 (C22), in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.

#### **Competition Studies:**

A blocking peptide is also available, *DB114P*, 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:**

Ki-67 (C22) DB114 reacts with Ki-67 of human origin.

#### **Use:**

Recommended for use by 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. Scholzen T, Gerdes J. The Ki-67 protein: from the known and the unknown. *J Cell Physiol.* 2000, 182(3):311-322
2. Endl E, Gerdes J. The Ki-67 protein: fascinating forms and an unknown function. *Exp Cell Res.* 2000 257(2):231-237.