

## Anti-Ki67/MKI67 Antibody Picoband®

Catalog Number: PA1918

### About MKI67

Ki-67 (Proliferation-related Ki-67 antigen), also known as MKI67 or KIA, is a protein that in humans is encoded by the MKI67 gene. From study of a panel of human-rodent somatic cell hybrids, Schonk et al. (1989) demonstrated that a gene involved in the expression of the MKI67 antigen is located on chromosome 10. By in situ hybridization, Fonatsch et al. (1991) regionalized the MKI67 gene to chromosome 10q25-qter. By FISH, Traut et al. (1998) mapped the mouse Mki67 gene to chromosome 7F3-F5. Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription. Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis.

### Overview

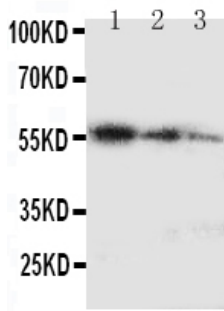
Product Name	Anti-Ki67/MKI67 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Ki67/MKI67 Antibody catalog # PA1918. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P46013

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Ki67.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

## Anti-Ki67/MKI67 Antibody Picoband® (PA1918) Images



Anti-Ki67 antibody, PA1918, Western blotting  
Recombinant Protein Detection Source: E.coli derived -recombinant  
Human Ki67 50.3KD (162aa tag+ K2967-I3256)  
Lane 1: Recombinant Human Ki67 Protein 10ng  
Lane 2: Recombinant Human Ki67 Protein 5ng  
Lane 3: Recombinant Human Ki67 Protein 2.5ng

## 48 Publications Citing This Product

1. PubMed ID: 32158357, Yang Z,Zhang J,Lu D,Sun Y, Zhao X,Wang X,Zhou W,He Q,Jiang Z.Hsa\_circ\_0137008 suppresses the malignant phenotype in colorectal cancer by acting as a microRNA-338-5p sponge. Cancer Cell Int.2020 Mar 4;20:67. doi:10.1186/s12935-020-1150-1.PMID:32158357;PMC
2. PubMed ID: 26938295, Tumor-suppressive function of long noncoding RNA MALAT1 in glioma cells by downregulation of MMP2 and inactivation of ERK/MAPK signaling
3. PubMed ID: 23554729, Soy isoflavone extracts stimulate the growth of nude mouse xenografts bearing estrogen-dependent human breast cancer cells (MCF-7)

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