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Datasheet for ABIN3044570

anti-Ki-67 antibody (AA 2860-3256)

2 Images

46 Publications

Overview

Quantity:	100 µg
Target:	Ki-67 (MKI67)
Binding Specificity:	AA 2860-3256
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ki-67 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Antigen KI-67(MKI67) detection. Tested with WB, IHC-P, ICC in Human.
Brand:	Picoband™
Immunogen:	E.coli-derived human Ki67 recombinant protein (Position: K2860-I3256).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Antigen KI-67(MKI67) detection. Tested with WB, IHC-P, ICC in Human. Gene Name: antigen identified by monoclonal antibody Ki-67 Protein Name: Antigen KI-67

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Ki-67 (MKI67)

Alternative Name: MKI67 ([MKI67 Products](#))

Background: 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, it has been 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.

Synonyms: Antigen identified by monoclonal antibody Ki 67 antibody|Antigen Ki-67 antibody|Antigen Ki67 antibody|Ki67_HUMAN antibody|KIA antibody|MKI67 antibody|Proliferation related Ki 67 antigen antibody|RP11-380J17.2 antibody

Gene ID: 4288

UniProt: [P46013](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Ki67 is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

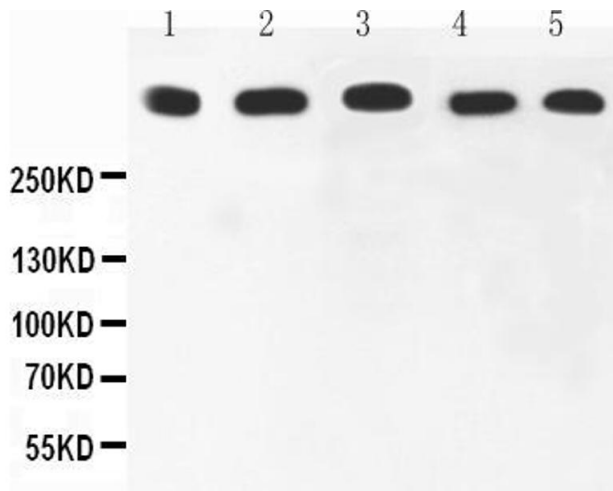
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in: Ding, Luo, Yu, Zhou, Wu: "Vitreous levels of apolipoprotein A1 and retinol binding protein 4 in human rhegmatogenous retinal detachment associated with choroidal detachment." in: **Molecular vision**, Vol. 24, pp. 252-260, (2018) ([PubMed](#)).

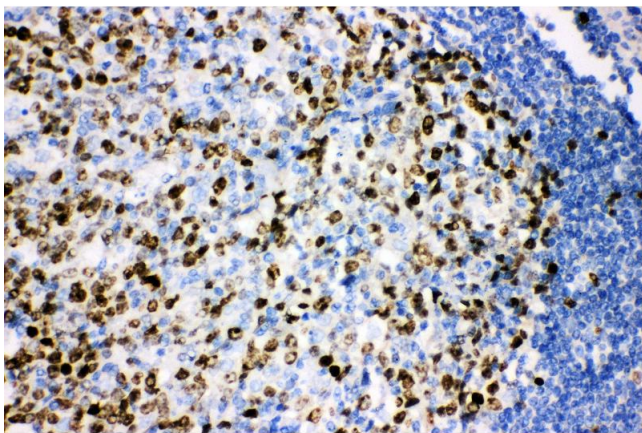
Zhao, Li, Zhang, Gao, Pei, Wang, Guo, Yu, Zheng, Wang: "Detection of Serum Protein Biomarkers for the Diagnosis and Staging of Hepatoblastoma." in: **International journal of molecular sciences**, Vol. 16, Issue 6, pp. 12669-85, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Western Blotting

Image 1. Anti-Ki67 Picoband antibody, All lanes: Anti-Ki67 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Lane 4: HEPG2 Whole Cell Lysate at 40ug Lane 5: SKOV Whole Cell Lysate at 40ug Predicted bind size: 358KD Observed bind size: 358KD



Immunohistochemistry

Image 2. Anti-Ki67 Picoband antibody, IHC(P): Human Tonsil Tissue