

Datasheet for ABIN677858
anti-Ki-67 antibody (AA 1201-1300)

9 Images

22 Publications

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Overview

Quantity:	100 µL
Target:	Ki-67 (MKI67)
Binding Specificity:	AA 1201-1300
Reactivity:	Human, Mouse, Rat, Rabbit, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ki-67 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Ki67
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Ki-67 (MKI67)
Alternative Name:	Ki-67 proliferation Marker (MKI67 Products)
Background:	Synonyms: KIA, MIB-, MIB-1, PPP1R15, Antigen KI-67, MKI67

Target Details

Background: Proliferation Marker Ki67 antigen is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

Gene ID:	4288
UniProt:	P46013
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

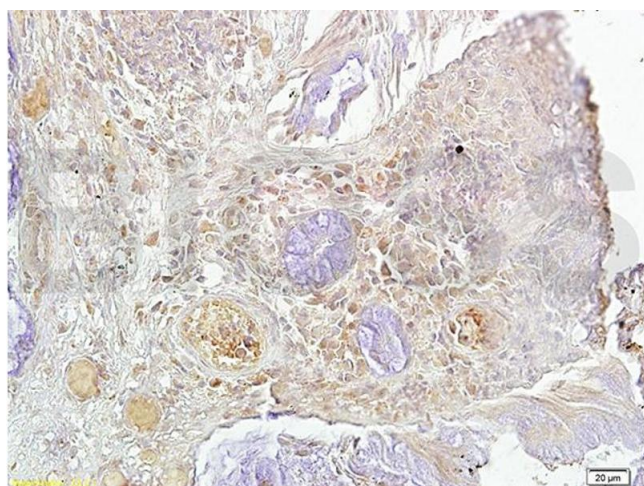
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in: Luo, Kong, Pei, Jin, Liu: "LncRNA CASC2 inhibits proliferation and migration of adenocarcinoma cells via miR-4735-3p and mTOR." in: **Journal of cellular biochemistry**, (2018) ([PubMed](#)).
- Dong, Ma, Wang, Han, Zou, Wu, Zang, Zhuang: "YY1 promotes HDAC1 expression and decreases sensitivity of hepatocellular carcinoma cells to HDAC inhibitor." in: **Oncotarget**, Vol. 8, Issue 25, pp. 40583-40593, (2018) ([PubMed](#)).
- Wu, Liu, Liu, Yan, Tang, Cui, Zhao, Shi, Hao, Yu, Qian: "A retrospective, single-center cohort study on 65 patients with primary retroperitoneal liposarcoma." in: **Oncology letters**, Vol. 15, Issue 2, pp. 1799-1810, (2018) ([PubMed](#)).
- Thompson, Rahim, Arnold, Hielscher: "Loss of caveolin-1 alters extracellular matrix protein expression and ductal architecture in murine mammary glands." in: **PLoS ONE**, Vol. 12, Issue 2, pp. e0172067, (2017) ([PubMed](#)).
- He, Chen, Yuan, Zhao, Chen, Wang, Li: "Tumor pH-Responsive Release of Drug-Conjugated Micelles from Fiber Fragments for Intratumoral Chemotherapy." in: **ACS applied materials & interfaces**, Vol. 9, Issue 38, pp. 32534-32544, (2017) ([PubMed](#)).

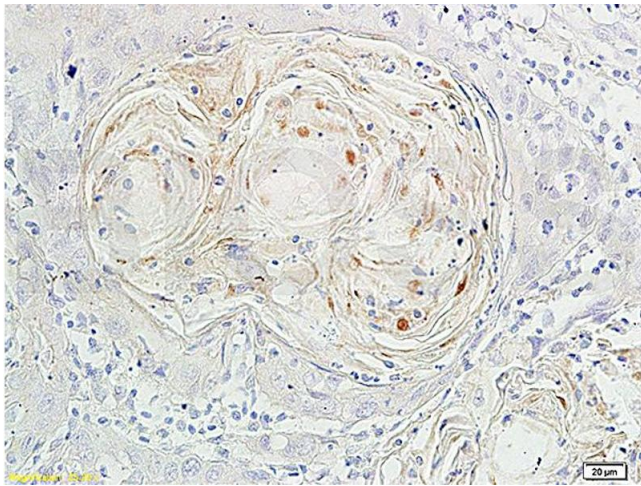
There are more publications referencing this product on: [Product page](#)

Images



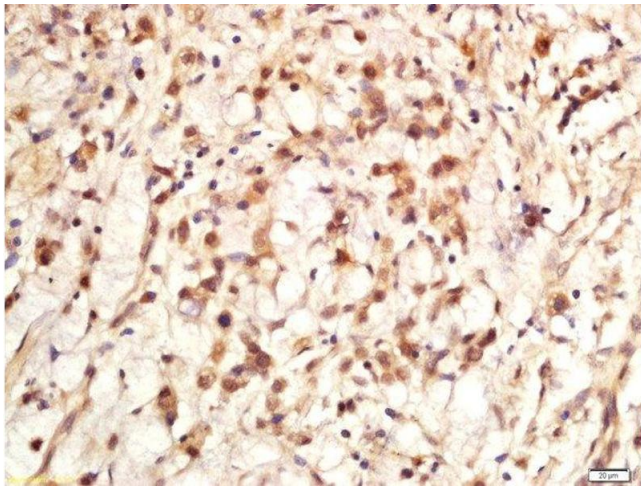
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human oral squamous cell carcinoma labeled with Rabbit Anti-Ki-67 Polyclonal Antibody, Unconjugated (ABIN677858) at 1:200 followed by conjugation to the secondary antibody and DAPI staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human cervical carcinoma labeled with Rabbit Anti-Ki-67 Polyclonal Antibody, Unconjugated (ABIN677858) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human stomach cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Ki-67 (Proliferation Marker) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary for 90 minutes and DAB staining.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN677858.