

Rabbit Ki67 Polyclonal Antibody | anti-Ki67 antibody

Ki67 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30924	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Ki67; Polyclonal Antibody; Ki67 Antibody; Antigen identified by monoclonal antibody Ki 67; Antigen identified by monoclonal antibody Ki-67; Antigen KI-67; Antigen KI67; Antigen Ki67; KI67_HUMAN; KIA; Marker of proliferation Ki-67; MIB 1; MIB; MKI67; PPP1R105; Proliferation marker protein Ki-67; Proliferation related Ki 67 antigen; Protein phosphatase 1 regulatory subunit 105; RP11-380J17.2; anti-Ki67 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	2896
Applicable Applications for anti-Ki67 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 *The optimal dilutions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human Ki67, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA30924 staining MCF-7 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



IHC (Immunohistochemistry)

AAA30924 AF0198 at 1/100 staining Human normal tissues adjacent to mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



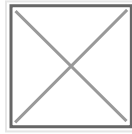
IHC (Immunohistochemistry)

AAA30924 at 1/200 staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



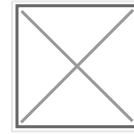
IHC (Immunohistochemistry)

AAA30924 at 1/200 staining Human ganstric cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA30924 at 1/200 staining Human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA30924 at 1/200 staining Human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-Ki67 antibody	Description: Ki-67 a protein that may be a marker of proliferating cells, involved in chromatin compaction. Its expression is altered in many tumor types including osteosarcomas, histiocytomas, prostate, breast and esophageal cancers. Mutated in colon, cervical and lung cancers.
References	Zhu Y, Cai L, Guo J, Chen N, Yi X, Zhao Y, Cai J, Wang Z; Journal: Tumour Biol. Depletion of Dicer promotes epithelial ovarian cancer progression by elevating PDIA3 expression. Yang J, Ren X, Zhang L, Li Y, Cheng B, Xia J; Journal: Biomed Pharmacother. Oridonin inhibits oral cancer growth and PI3K/Akt signaling pathway. Chen G, Liang YX, Zhu JG, Fu X, Chen YF, Mo RJ, Zhou L, Fu H, Bi XC, He HC, Yang SB, Wu YD, Jiang FN, Zhong WD; Journal: Biomed Res Int. CC chemokine ligand 18 correlates with malignant progression of prostate cancer. Liu X, Huang YG, Jin CG, Zhou YC, Chen XQ, Li J, Chen Y, Li M, Yao Q, Li K, Lan M, Ye JG, Wang XC; Journal: Oncotarget. MicroRNA-370 inhibits the growth and metastasis of lung cancer by down-regulating epidermal growth factor receptor expression. Sun C, Huang C, Li S, Yang C, Xi Y, Wang L, Zhang F, Fu Y, Li D; Journal: Oncotarget. Hsa-miR-326 targets CCND1 and inhibits non-small cell lung cancer development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543215
NCBI GeneID	4288
NCBI Accession #	NP_001139438.1
NCBI GenBank Nucleotide #	NM_001145966.1
UniProt Accession #	P46013 ; Q5VWH2
Molecular Weight	Observed: 358 kDa
NCBI Official Full Name	proliferation marker protein Ki-67 isoform 2
NCBI Official Synonym Full Names	marker of proliferation Ki-67
NCBI Official Symbol	MKI67
NCBI Official Synonym Symbols	KIA; MIB-; MIB-1; PPP1R105
NCBI Protein Information	proliferation marker protein Ki-67
UniProt Protein Name	Proliferation marker protein Ki-67
UniProt Gene Name	MKI67
UniProt Synonym Gene Names	Antigen Ki-67Curated; Antigen Ki67Curated

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ki67-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30924>