

Ki-67 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide from the human Ki-67 antigen.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	10mM PBS with 0.2% BSA
Contains	0.1% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_559806

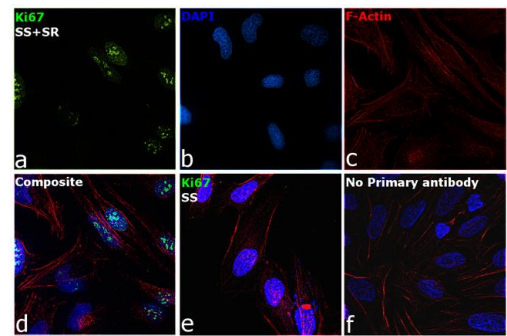
Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	10-20 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	10 µg/mL	3 Publications

Product Specific Information

Recommended positive controls: Tonsil or Breast carcinoma.

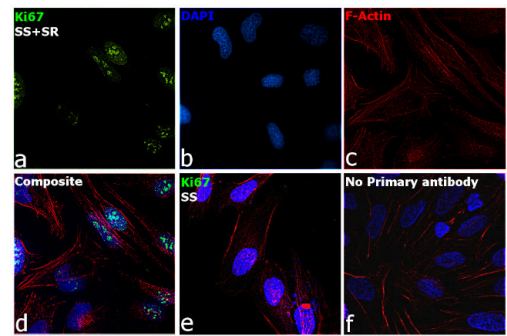
Staining of formalin/paraffin tissues requires boiling tissue sections in 10 mM citrate buffer, pH6.0, for 10-20 minutes, followed by coolong at room temperature for 20 minutes.

Product Images For Ki-67 Polyclonal Antibody



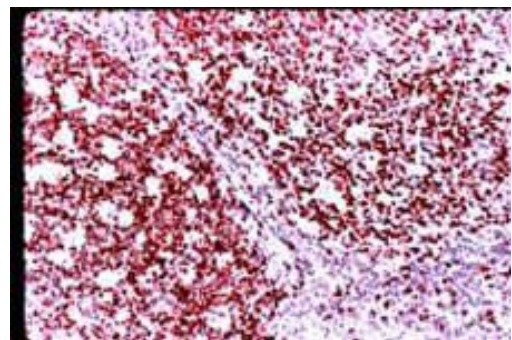
Ki-67 Antibody (PA1-21520)

Detection of altered expression of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Ki67 using Ki67 Polyclonal Antibody (Product # PA1-21520), shows decreased expression of Ki67 in HeLa cell line upon serum starvation for 36 hours. Serum starvation followed by serum release for 6 hours resulted in increase in Ki67 expression in the nucleus of HeLa cells. {TM}



Ki-67 Antibody (PA1-21520) in ICC/IF

Immunofluorescence analysis of Ki67 was performed using 70% confluent log phase HeLa cells serum starved for 36 hours followed by serum release for 6 hrs. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 10 minutes at room temperature. The cells were labeled with Ki67 Polyclonal Antibody (Product # PA1-21520) at 10 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034), (1:2000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415 , 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents the serum starved cells with reduced signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Ki-67 Antibody (PA1-21520) in IHC (P)

Immunohistochemical analysis of formalin-fixed paraffin-embedded human tonsil using Ki-67 Polyclonal Antibody (Product # PA1-21520). Signal is detected using ABC method with AEC chromogen.

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Western Blot (1)

<p>Molecular cancer research : MCR</p> <p>Dual Inhibition of CDK4 and CDK2 via Targeting p27 Tyrosine Phosphorylation Induces a Potent and Durable Response in Breast Cancer Cells.</p> <p>"PA1-21520 was used in Western Blotting to demonstrate that CDK2 compensates for loss of CDK4 activity to rescue palbociclib-arrested breast cancer cells, suggesting that inhibition of both kinases is required to achieve durable response."</p> <p>Authors: Patel P,Tsiperson V,Gottesman SRS,Somma J,Blain SW</p>	<p>Year 2018</p> <p>Species Human</p>
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Immunohistochemistry (4)

<p>International journal of molecular medicine</p> <p>Mangiferin induces islet regeneration in aged mice through regulating p16INK4a.</p> <p>"Published figure using Ki-67 polyclonal antibody (Product # PA1-21520) in Immunohistochemistry"</p> <p>Authors: Wang H,He X,Lei T,Liu Y,Huai G,Sun M,Deng S,Yang H,Tong R,Wang Y</p>	<p>Year 2018</p>
<p>Respiratory research</p> <p>Pleural inhibition of the caspase-1/IL-1 pathway diminishes profibrotic lung toxicity of bleomycin.</p> <p>"Published figure using Ki-67 polyclonal antibody (Product # PA1-21520) in Immunohistochemistry"</p> <p>Authors: Burgy O,Bellaye PS,Causse S,Beltramo G,Wettstein G,Boutanquoi PM,Goirand F,Garrido C,Bonniaud P</p>	<p>Year 2016</p> <p>Species Mouse</p>

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Immunohistochemistry (Paraffin) (1)

<p>Respiratory research</p> <p>Pleural inhibition of the caspase-1/IL-1 pathway diminishes profibrotic lung toxicity of bleomycin.</p> <p>"Published figure using Ki-67 polyclonal antibody (Product # PA1-21520) in Immunohistochemistry"</p> <p>Authors: Burgy O,Bellaye PS,Causse S,Beltramo G,Wettstein G,Boutanquoi PM,Goirand F,Garrido C,Bonniaud P</p>	<p>Year 2016</p> <p>Species Mouse</p>
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More applications with references on thermofisher.cn

ICC/IF (3)

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