

Ki-67 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Human, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide from C-terminus of human Ki-67
Form	Liquid
Concentration	0.136 mg/mL
Purification	Affinity chromatography
Storage buffer	TBS, pH 7.6, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_11000602

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
ChIP assay (ChIP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

PA5-16785 targets Ki-67 in immunohistochemistry (paraffin) shows reactivity with Human and Rat samples.

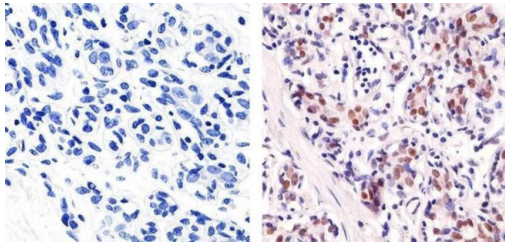
The PA5-16785 immunogen is a synthetic peptide from C-terminus of human Ki-67.

This antibody was orginally validated as part of a Thermo Scientific Cellomics High Content Screening Kit. The antibody sold separately may have slightly different performance and may need to be further optimized for the best results.

Product Images For Ki-67 Polyclonal Antibody

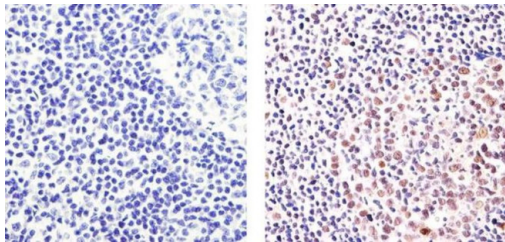
Ki-67 Antibody (PA5-16785) in IHC (P)

Immunohistochemistry analysis of Ki-67 showing staining in the nucleus of paraffin-embedded human breast tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Ki-67 Rabbit Polyclonal Antibody (Product # PA5-16785) diluted in 3% BSA-PBS at a dilution of 1:100 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



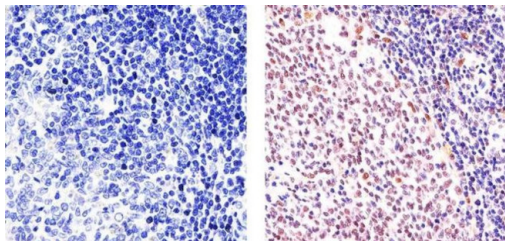
Ki-67 Antibody (PA5-16785) in IHC (P)

Immunohistochemistry analysis of Ki-67 showing staining in the nucleus of paraffin-embedded human tonsil tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Ki-67 Rabbit Polyclonal Antibody (Product # PA5-16785) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Ki-67 Antibody (PA5-16785) in IHC (P)

Immunohistochemistry analysis of Ki-67 showing staining in the nucleus of paraffin-embedded rat spleen tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Ki-67 Rabbit Polyclonal Antibody (Product # PA5-16785) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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Immunohistochemistry (8)

<p>Molecular medicine reports</p> <p>Inhibition of colorectal cancer tumorigenesis by ursolic acid and doxorubicin is mediated by targeting the Akt signaling pathway and activating the Hippo signaling pathway.</p> <p>"PA5-16785 was used in Immunohistochemistry to suggest that combination therapy with UA and DOX may be more effective than DOX alone."</p> <p>Authors: Hu D,Meng RY,Nguyen TV,Chai OH,Park BH,Lee JS,Kim SM</p>	<p>Year 2023</p> <p>Species Mouse</p> <p>Dilution 1:100</p>
<p>Cancers</p> <p>Compressive Stimulation Enhances Ovarian Cancer Proliferation, Invasion, Chemoresistance, and Mechanotransduction via CDC42 in a 3D Bioreactor.</p> <p>"PA5-16785 was used in Immunohistochemistry to investigate the role of compressive stress on ovarian cancer in a 3D custom built bioreactor."</p> <p>Authors: Novak CM,Horst EN,Lin E,Mehta G</p>	<p>Year 2020</p> <p>Species Human</p>

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Immunohistochemistry (Paraffin) (1)

<p>Cell stem cell</p> <p>Formation of Human Neuroblastoma in Mouse-Human Neural Crest Chimeras.</p> <p>"PA5-16785 was used in Immunohistochemistry (Paraffin) to develop an experimental platform for studying neuroblastoma using mouse-human neural crest chimeras."</p> <p>Authors: Cohen MA,Zhang S,Sengupta S,Ma H,Bell GW,Horton B,Sharma B,George RE,Spranger S,Jaenisch R</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:20</p>
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Immunocytochemistry (3)

<p>International journal of molecular sciences</p> <p>"Mitotic Slippage" and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres.</p> <p>"PA5-16785 was used in Immunocytochemistry-Immunofluorescence to explore mitotic slippage in the MDA-MB-231 cell line treated with doxorubicin."</p> <p>Authors: Salmina K,Bojko A,Inashkina I,Staniak K,Dudkowska M,Podlesniy P,Rumnieks F,Vainshelbaum NM,Pjanova D,Sikora E,Erenpreisa J</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:50</p>
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- ChIP (1)
- Misc (1)

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