# 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 |

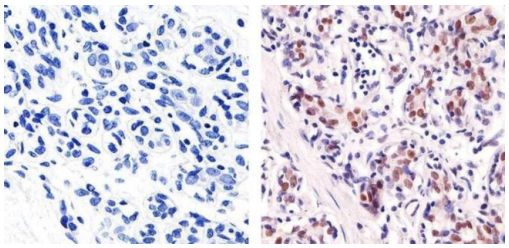
### Product Specific Information

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

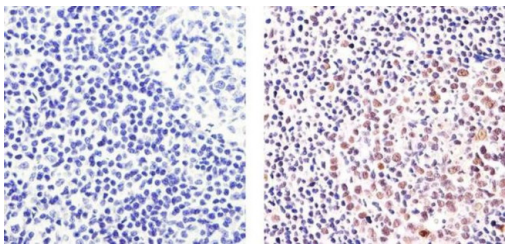
The PA5-16785 immunogen is a synthetic peptide from C-terminus of human Ki-67.

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.

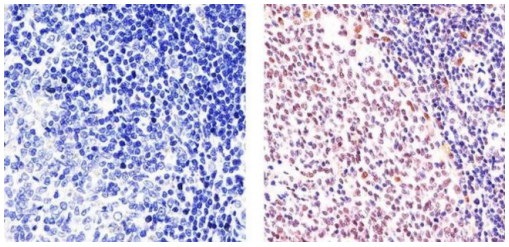
## Product Images For Ki-67 Polyclonal Antibody



**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.

## View more figures on thermofisher.com

## 14 References

### Immunohistochemistry (8)

**Molecular medicine reports**

#### Inhibition of colorectal cancer tumorigenesis by ursolic acid and doxorubicin is mediated by targeting the Akt signaling pathway and activating the Hippo signaling pathway.

"PA5-16785 was used in Immunohistochemistry to suggest that combination therapy with UA and DOX may be more effective than DOX alone."

Authors: Hu D,Meng RY,Nguyen TV,Chai OH,Park BH,Lee JS,Kim SM

**Year** 2023

**Species** Mouse

**Dilution** 1:100

**Cancers**

#### Compressive Stimulation Enhances Ovarian Cancer Proliferation, Invasion, Chemoresistance, and Mechanotransduction via CDC42 in a 3D Bioreactor.

"PA5-16785 was used in Immunohistochemistry to investigate the role of compressive stress on ovarian cancer in a 3D custom built bioreactor."

Authors: Novak CM,Horst EN,Lin E,Mehta G

**Year** 2020

**Species** Human

View more IHC references on thermofisher.com

### Immunohistochemistry (Paraffin) (1)

**Cell stem cell**

#### Formation of Human Neuroblastoma in Mouse-Human Neural Crest Chimeras.

"PA5-16785 was used in Immunohistochemistry (Paraffin) to develop an experimental platform for studying neuroblastoma using mouse-human neural crest chimeras."

Authors: Cohen MA,Zhang S,Sengupta S,Ma H,Bell GW,Horton B,Sharma B,George RE,Spranger S,Jaenisch R

**Year** 2020

**Species** Human

**Dilution** 1:20

### Immunocytochemistry (3)

**International journal of molecular sciences**

#### "Mitotic Slippage" and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres.

"PA5-16785 was used in Immunocytochemistry-Immunofluorescence to explore mitotic slippage in the MDA-MB-231 cell line treated with doxorubicin."

Authors: Salmina K,Bojko A,Inashkina I,Staniak K,Dudkowska M,Podlesniy P,Rumnieks F,Vainshelbaum NM,Pjanova D,Sikora E,Erenpreisa J

**Year** 2020

**Species** Human

**Dilution** 1:50

View more ICC/IF references on thermofisher.com

### More applications with references on thermofisher.com

**ChIP (1)** **Misc (1)**