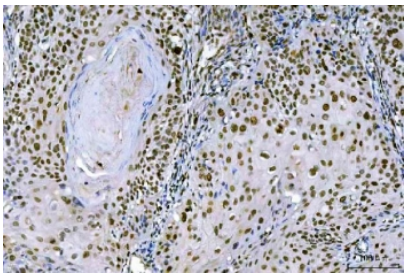
# Ki-67 Rabbit Polyclonal IHC Antibody / MKI67 Immunohistochemistry Antibody (RQ7188)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7188 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

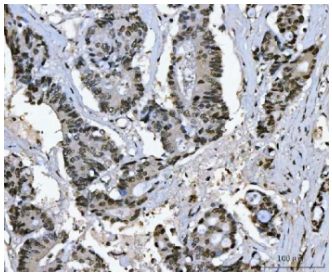
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P46013 |
| **Localization** | Nuclear |
| **Applications** | Immunohistochemistry (FFPE): 2-5ug/ml<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This Ki-67 antibody is available for research use only. |



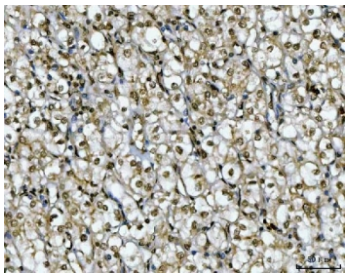
Ki-67 Rabbit Polyclonal IHC Antibody / MKI67 Immunohistochemistry Antibody. Immunohistochemistry analysis of FFPE human laryngeal squamous cell carcinoma tissue using Ki-67 rabbit polyclonal IHC antibody. Strong nuclear brown staining is observed in numerous tumor epithelial cells, consistent with the known expression pattern of Ki-67 / MKI67 in actively proliferating cells. The staining highlights proliferating carcinoma cells within the tumor while surrounding stromal elements show comparatively lower labeling. Heat-induced epitope retrieval was performed by boiling tissue sections in pH8 EDTA buffer for 20 minutes followed by cooling prior to staining.



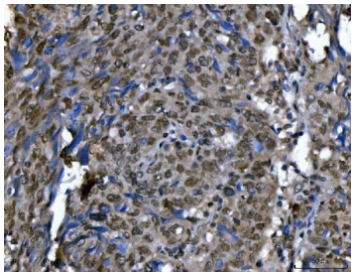
IHC staining of FFPE human tonsil tissue with Ki-67 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Ki-67 Rabbit Polyclonal IHC Antibody / MKI67 Immunohistochemistry Antibody. Immunohistochemistry analysis of FFPE human colonic adenocarcinoma tissue using Ki-67 rabbit polyclonal IHC antibody. Prominent nuclear brown staining is observed in many tumor epithelial cells lining the malignant glandular structures, consistent with the known expression pattern of Ki-67 / MKI67 in actively proliferating cells. The staining highlights proliferating carcinoma cells within the tumor glands while surrounding stromal tissue shows comparatively lower labeling. Heat-induced epitope retrieval was performed by boiling tissue sections in pH8 EDTA buffer for 20 minutes followed by cooling prior to staining.



IHC staining of FFPE human renal carcinoma tissue with Ki-67 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer tissue with Ki-67 IHC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

Ki-67 (Proliferation-related Ki-67 antigen), also known as MKI67 or KIA, is a protein that in humans is encoded by the MKI67 gene. From study of a panel of human-rodent somatic cell hybrids, it has been demonstrated that a gene involved in the expression of the MKI67 antigen is located on chromosome 10. By in situ hybridization, Fonatsch et al. (1991) regionalized the MKI67 gene to chromosome 10q25-qter. By FISH, Traut et al. (1998) mapped the mouse Mki67 gene to chromosome 7F3-F5. Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription. Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis.

## Application Notes

Optimal dilution of the Ki-67 Rabbit Polyclonal IHC Antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids R5-Q2358) was used as the immunogen for the Ki-67 antibody.

## Storage

After reconstitution, the Ki-67 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

Ki67 antibody, MKI67 antibody, Antigen KI-67 antibody, Ki-67 proliferation marker antibody, Nuclear proliferation antigen Ki-67 antibody


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