# Recombinant Ki67 Antibody [clone MKI67/4947R] (V9348)

| Catalog No. | Formulation | Size |
|---|---|---|
| V9348-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9348-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9348SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant | RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | MKI67/4947R |
| **Purity** | Protein A/G affinity |
| **UniProt** | P46013 |
| **Localization** | Nuclear |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This recombinant Ki67 antibody is available for research use only. |
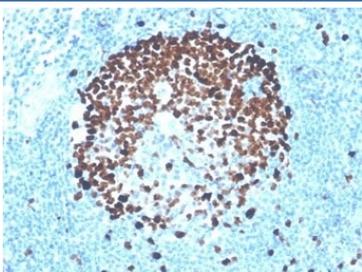


IHC staining of FFPE human tonsil tissue with recombinant Ki67 antibody (clone MKI67/4947R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.
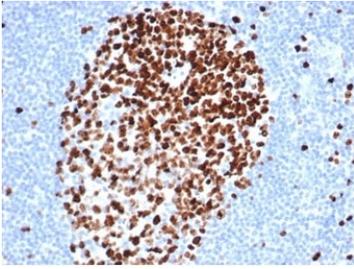
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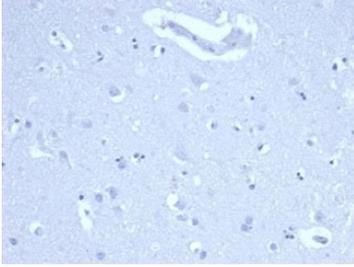


Negative control: IHC staining of FFPE human brain tissue using recombinant Ki67 antibody (clone MKI67/4947R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.
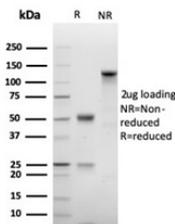


SDS-PAGE analysis of purified, BSA-free recombinant Ki67 antibody (clone MKI67/4947R) as confirmation of integrity and purity.

## Description

Ki-67 antigen is a nuclear, non-histone protein that is present in all stages of the cell cycle except G0. This characteristic makes Ki-67 an excellent marker for proliferating cells and is commonly used as one of the prognostic factors in cancer studies. A correlation has been demonstrated between Ki-67 index and the histo-pathological grade of neoplasms. Assessment of Ki-67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki-67 expression may also prove to be important for distinguishing between malignant and benign peripheral nerve sheath tumors. Ki-67 labeling index has been shown to be a prognostic marker in a number of neoplasms including grade II astrocytoma, oligodendroglioma, colon carcinoma, and breast carcinoma. In general, Ki-67 is a good marker of proliferating cell populations.

## Application Notes

Optimal dilution of the recombinant Ki67 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 2293-2478 was used as the immunogen for the recombinant Ki67 antibody.

## Storage

Aliquot the recombinant Ki67 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.