

For Research Use Only

# Ki-67 Monoclonal antibody

Catalog Number: 66555-6-Ig



## Basic Information

Catalog Number: 66555-6-Ig	GenBank Accession Number: NM_002417	Purification Method: Protein G purification
Concentration: 1000 µg/ml	GeneID (NCBI): 4288	CloneNo.: 1B9H2
Source: Mouse	UNIPROT ID: P46013	Recommended Dilutions: IHC 1:2500-1:10000 IF/ICC 1:1000-1:4000
Isotype: IgG1	Full Name: antigen identified by monoclonal antibody Ki-67	
Immunogen Catalog Number: AG26266	Calculated MW: 359 kDa	

## Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : human tonsillitis tissue, human ovary cancer tissue, human rectal cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IF/ICC : A431 cells, HeLa cells

## Background Information

The Ki-67 protein (also known as MKI67) is a cellular marker for proliferation. Ki67 is present during all active phases of the cell cycle (G1, S, G2 and M), but is absent in resting cells (G0). Cellular content of Ki-67 protein markedly increases during cell progression through S phase of the cell cycle. Therefore, the nuclear expression of Ki67 can be evaluated to assess tumor proliferation by immunohistochemistry. It has been demonstrated to be of prognostic value in breast cancer. In head and neck cancer, several studies have reported an association between high proliferative activity and poorer prognosis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

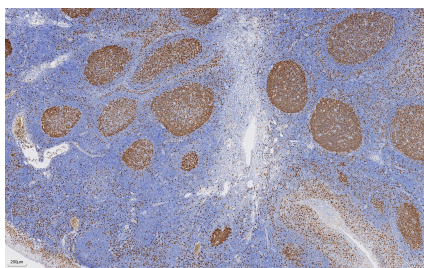
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

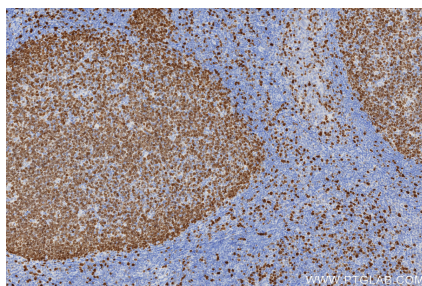
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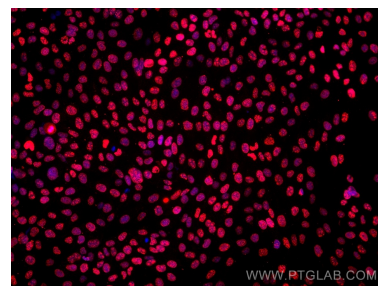
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66555-6-Ig (Ki-67 antibody) at dilution of 1:5000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66555-6-Ig (Ki-67 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Ki-67 antibody (66555-6-Ig, Clone: 1B9H2 ) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004 ).