

For Research Use Only

Biotin-conjugated Ki-67 Recombinant antibody

Catalog Number: Biotin-84192-4



Basic Information

Catalog Number: Biotin-84192-4	GenBank Accession Number: NM_002417	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4288	CloneNo.: 241499E7
Source: Rabbit	UNIPROT ID: P46013	Recommended Dilutions: IHC: 1:250-1:1000
Isotype: IgG	Full Name: antigen identified by monoclonal antibody Ki-67	Excitation/Emission maxima wavelengths: -
	Calculated MW: 359 kDa	
	Observed MW: 359 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : human tonsillitis tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

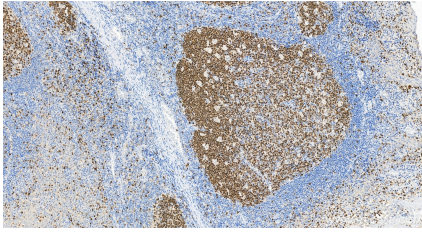
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

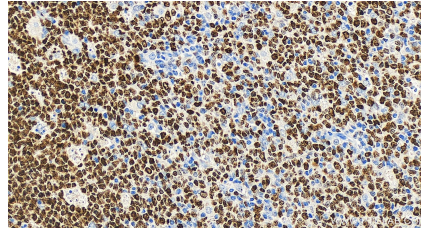
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using Biotin-84192-4 (Ki-67 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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