

For Research Use Only

Ki-67 Polyclonal antibody

Catalog Number: 19972-1-AP **46 Publications**



Basic Information

Catalog Number: 19972-1-AP	GenBank Accession Number: NM_002417	Purification Method: Antigen affinity purification
Concentration: 150 µg/ml	GeneID (NCBI): 4288	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P46013	
Isotype: IgG	Full Name: antigen identified by monoclonal antibody Ki-67	
	Calculated MW: 359 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human breast cancer tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: human	
Cited Species: human, mouse, rat	
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

MKI67 gene encodes a nuclear protein, antigen KI-67, which was identified by monoclonal antibody Ki-67. Expression of this antigen occurs preferentially during late G1, S, G2 and M phases of the cell cycle, while in cells in G0 phase the antigen cannot be detected (PMID: 8227122). The antigen Ki-67 is a human nuclear protein the expression of which is strictly associated with cell proliferation and which is widely used in routine pathology as a "proliferation marker" to measure the growth fraction of cells in human tumors (PMID: 8227122).

Notable Publications

Author	Pubmed ID	Journal	Application
Musin Kelel	32888953	J Invest Dermatol	IHC
Kai Tie	26499267	FASEB J	IHC
Yuan Zhang	26487539	Sci Rep	IHC

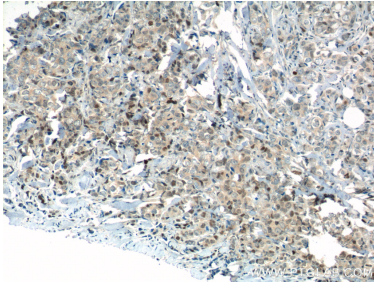
Storage

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

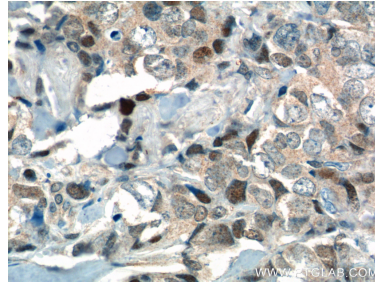
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19972-1-AP (Ki67 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19972-1-AP (Ki67 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).