

Ki-67 Polyclonal Antibody

Catalog No :	YT2467
Reactivity :	Human
Applications :	IHC;IF;ELISA
Target :	Ki-67
Gene Name :	MKI67
Protein Name :	Ki 67
Human Gene Id :	4288
Human Swiss Prot No :	P46013
Immunogen :	The antiserum was produced against synthesized peptide derived from human Ki67. AA range:3207-3256
Specificity :	Ki-67 Polyclonal Antibody detects endogenous levels of Ki-67 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	360kD
Background :	This gene encodes a nuclear protein that is associated with and may be

necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009],

Function :

developmental stage: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.,function:Thought to be required for maintaining cell proliferation.,online information:Ki-67 entry,similarity:Contains 1 FHA domain.,subcellular location:Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix. In mitosis, it is present on all chromosomes.,subunit:Interacts with KIF15. Binds through the FHA domain to MKI67IP.,

Subcellular Location :

Chromosome . Nucleus . Nucleus, nucleolus . Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the mitotic chromosome surface (PubMed:27362226). Associates with satellite DNA in G1 phase (PubMed:9510506). Binds tightly to chromatin in interphase, chromatin-binding decreases in mitosis when it associates with the surface of the condensed chromosomes (PubMed:15896774, PubMed:22002106). Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix (PubMed:22002106). .

Expression :

Epithelium,

Tag :

orthogonal

Sort :

1

No1 :

ab15580

No3 :

ab15580

No4 :

1

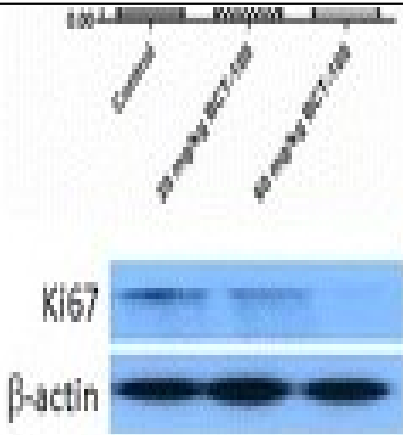
Host :

Rabbit

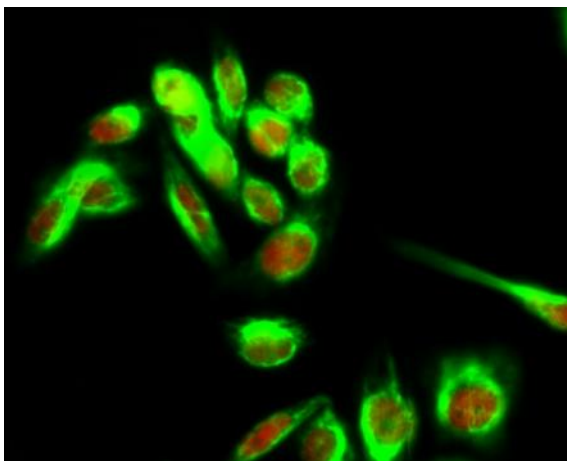
Modifications :

Unmodified

Products Images

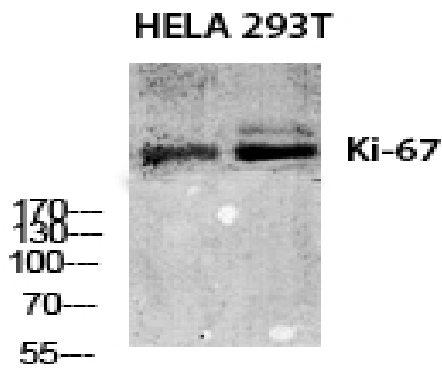


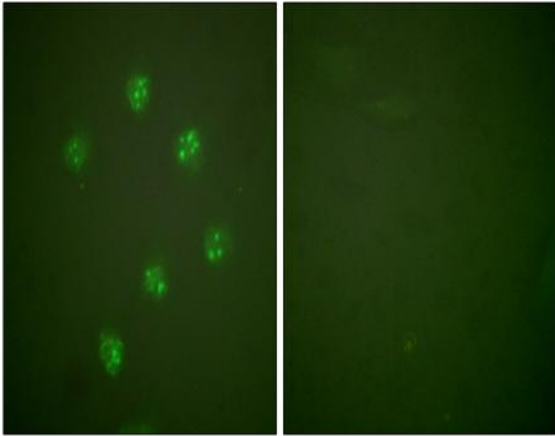
Lam, Sze-Kwan, et al. "Growth suppressive effect of pegylated arginase in malignant pleural mesothelioma xenografts." *Respiratory research* 18.1 (2017): 80.



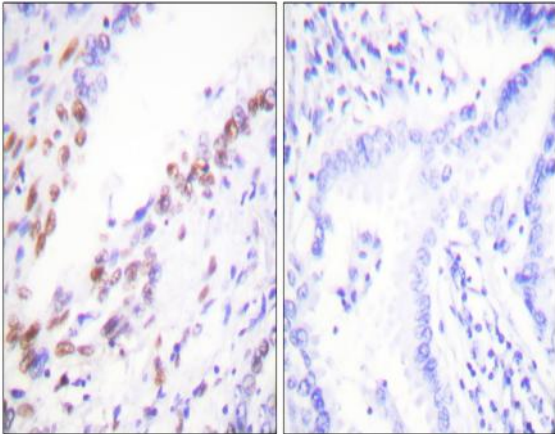
Immunofluorescence analysis of HeLa cell. 1, Ki-67 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). HSP70 Monoclonal Antibody (3G10) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).

Western Blot analysis of various cells using Ki-67 Polyclonal Antibody diluted at 1:1000

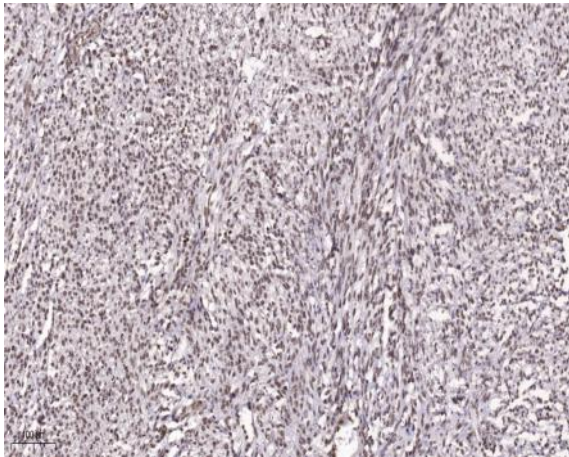




Immunofluorescence analysis of COS7 cells, using Ki67 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Ki67 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human Gastrointestinal stromal tumor tissue, using Ki67 Antibody.