

ARG66347 anti-Ki-67 antibody [SQab1897]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab1897] recognizes Ki-67
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab1897
Isotype	IgG
Target Name	Ki-67
Species	Human
Immunogen	Synthetic peptide within aa. 1000-1100 of Human Ki-67.
Conjugation	Un-conjugated
Alternate Names	Antigen KI-67; MIB-; KIA; MIB-1; PPP1R105

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200

Application Note
IHC-P: Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT for 30 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

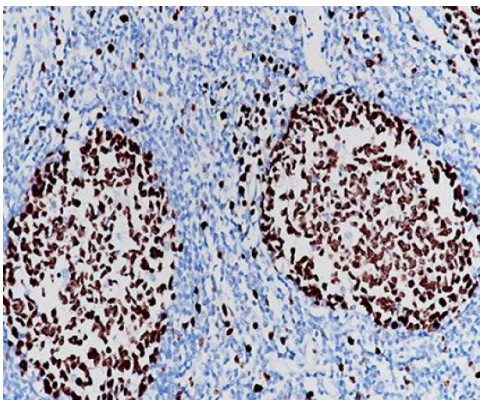
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

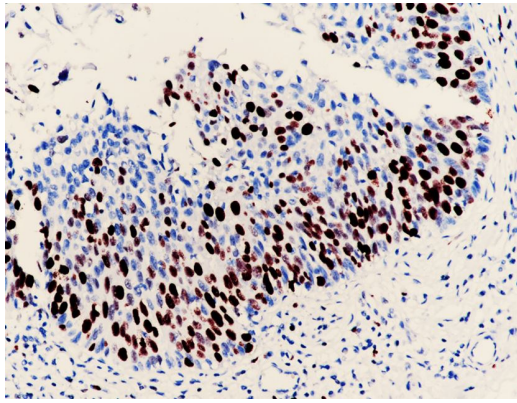
Gene Symbol	MKI67
Gene Full Name	marker of proliferation Ki-67
Background	Ki-67 is a nuclear protein. It is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009]
Function	Ki-67 required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly (PubMed:27362226). Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface (PubMed:27362226). Prevents chromosomes from collapsing into a single chromatin mass by forming a steric and electrostatic charge barrier: the protein has a high net electrical charge and acts as a surfactant, dispersing chromosomes and enabling independent chromosome motility (PubMed:27362226). Binds DNA, with a preference for supercoiled DNA and AT-rich DNA (PubMed:10878551). Does not contribute to the internal structure of mitotic chromosomes. May play a role in chromatin organization (PubMed:24867636). It is however unclear whether it plays a direct role in chromatin organization or whether it is an indirect consequence of its function in maintaining mitotic chromosomes dispersed (Probable). [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30327 Microvascular Density Antibody Panel Related products: Ki-67 antibodies ; Ki-67 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: Cancer Pathology Markers (SQ clones)
Research Area	Microvascular Density Study antibody; Proliferation Marker antibody
Calculated Mw	359 kDa
PTM	Phosphorylated. Hyperphosphorylated in mitosis (PubMed:10502411, PubMed:10653604). Hyperphosphorylated form does not bind DNA. [UniProt]

Images



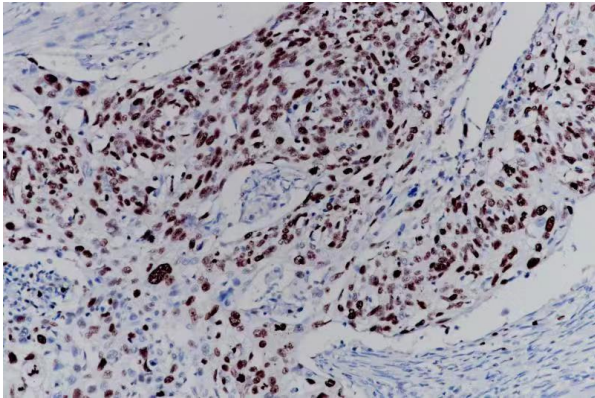
ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).



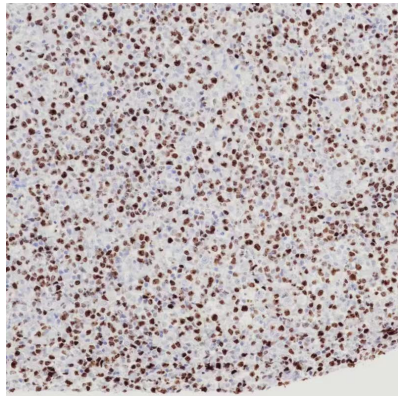
ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human esophageal cancer tissue stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).



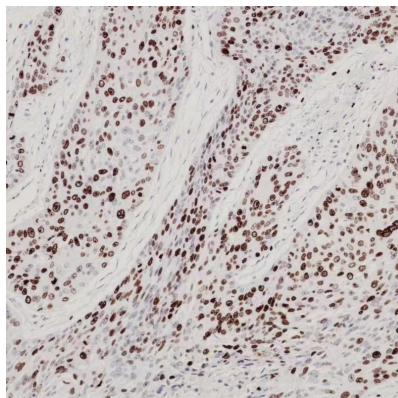
ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cervical cancer tissue stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).



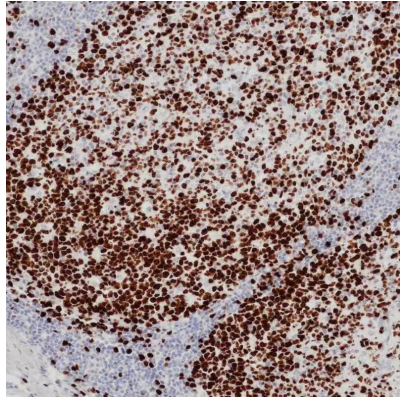
ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human diffuse large B-cell lymphoma stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).



ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human esophageal cancer tissue stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).



ARG66347 anti-Ki-67 antibody [SQab1897] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with ARG66347 anti-Ki-67 antibody [SQab1897]. Antigen Retrieval: Heat mediation was performed using Tris/EDTA buffer (pH 9.0).