

Anti-Ki67 antibody ab833

★★★★★ [13 Abreviews](#) [186 References](#) [画像数 3](#)

製品の概要

製品名	Anti-Ki67 antibody
製品の詳細	Rabbit polyclonal to Ki67
由来種	Rabbit
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human Ki67. Immunogen is from the 62 base pair region of the human Ki-67 antigen. Database link: P46013
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.3 Preservative: 0.05% Sodium azide Constituent: 1% BSA
精製度	Protein A purified
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab833の使用に適用されます

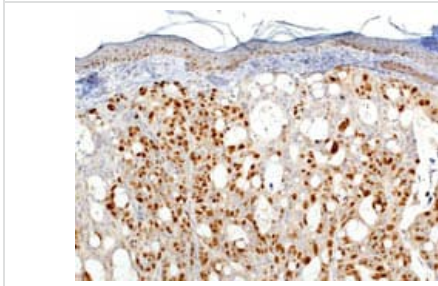
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (7)	1/25 - 1/50. We recommend using an ABC system for detection of this antibody. Positive Control: Hu tonsil tissue

ターゲット情報

機能	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 (By similarity). 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.
配列類似性	Contains 1 FHA domain. Contains 16 K167R repeats. Contains 1 PP1-binding domain.
発生段階	Expression 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 (at protein level) (PubMed:6206131). Present at highest level in G2 phase and during mitosis (at protein level). In interphase, forms fiber-like structures in fibrillarin-deficient regions surrounding nucleoli (PubMed:2674163, PubMed:8799815).
翻訳後修飾	Phosphorylated. Hyperphosphorylated in mitosis (PubMed:10502411, PubMed:10653604). Hyperphosphorylated form does not bind DNA.
細胞内局在	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).

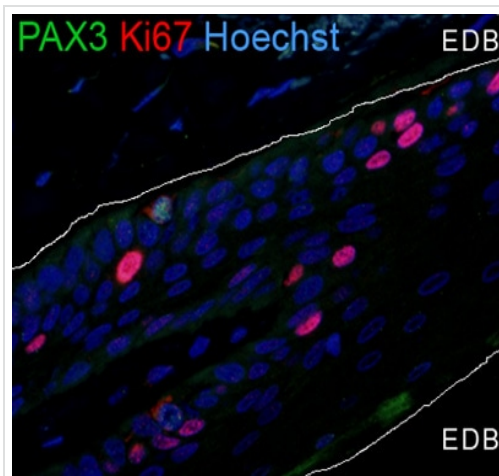
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ki67 antibody (ab833)

This image is courtesy of an abreview submitted by Mithra Mahmoudi.

HT-29 xenograft tumor in mouse 20x pretreatment w/ citrate pH 6.0 using anti-Ki67 antibody ab833 at 5 ug/mL for 30 min at RT.

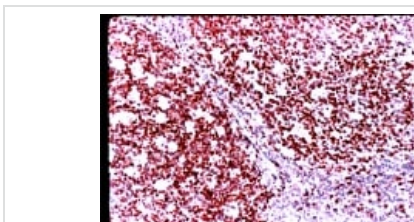


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ki67 antibody (ab833)

Image from Medic S et al., PLoS One. 2010 Apr 22;5(4):e9977. Fig 3.; doi:10.1371/journal.pone.0009977; April 22, 2010, PLoS ONE 5(4): e9977.

Immunohistochemical analysis of Human skin tissue, staining Ki67 (red) with ab833.

Antigen retrieval was performed by heat mediation in a EDTA/Tris buffer (pH 8.0). Sections were blocked with 10% NGS for 1 hour at room temperature, followed by incubation with primary antibody (1/25). An AlexFluor®546 anti-rabbit IgG (1/500) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ki67 antibody (ab833)

ab833 - immunohistochemistry

Formalin fixed paraffin embedded human tonsil stained with Ki-67, using ABC and AEC chromogen.

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