



Anti-SMUG1 antibody ab15716

2 References [画像数 3](#)

製品の概要

製品名	Anti-SMUG1 antibody
製品の詳細	Goat polyclonal to SMUG1
由来種	Goat
アプリケーション	適用あり: ICC, Flow Cyt (Intra)
種交差性	交差種: Human
免疫原	Synthetic peptide: PQAFLLGSIHEPA, corresponding to N terminal amino acids 2-14 of SMUG1.  Run BLAST with ExPASy  Run BLAST with NCBI
ポジティブ・コントロール	ICC: U2OS and MCF7 cells; Flow Cyt (intra): MCF7 cells.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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ab15716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
ICC		Use a concentration of 10 µg/ml.
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.

ターゲット情報

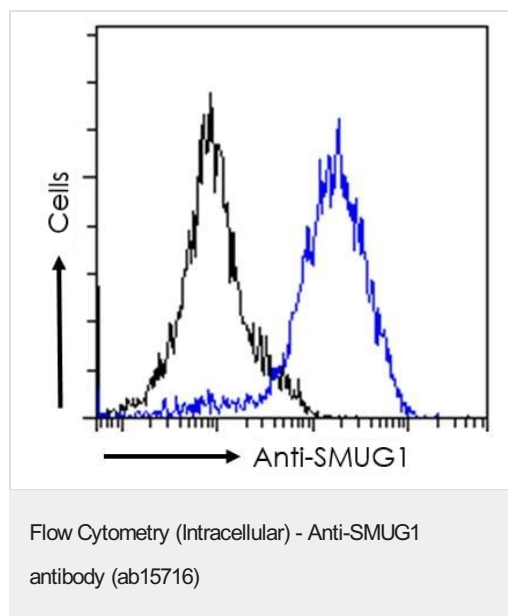
機能

Recognizes base lesions in the genome and initiates base excision DNA repair. Acts as a monofunctional DNA glycosylase specific for uracil (U) residues in DNA with a preference for single-stranded DNA substrates. The activity is greater toward mismatches (U/G) compared to matches (U/A). Excises uracil (U), 5-formyluracil (fU) and uracil derivatives bearing an oxidized group at C5 [5-hydroxyuracil (hoU) and 5-hydroxymethyluracil (hmU)] in ssDNA and dsDNA, but not analogous cytosine derivatives (5-hydroxycytosine and 5-formylcytosine), nor other oxidized bases. The activity is damage-specific and salt-dependent. The substrate preference is the following: ssDNA > dsDNA (G pair) = dsDNA (A pair) at low salt concentration, and dsDNA (G pair) > dsDNA (A pair) > ssDNA at high salt concentration.

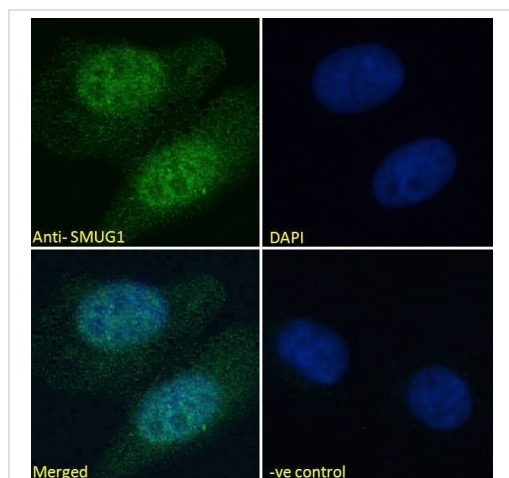
細胞内局在

Nucleus.

画像



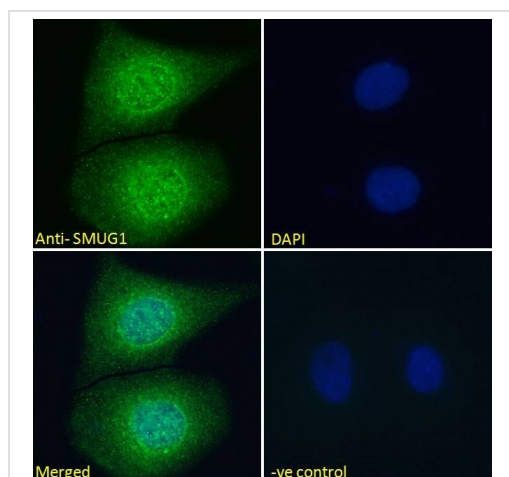
Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line) labelling SMUG1 with ab15716. Cells permeabilized with 0.5% Triton. Primary incubation 1 hour (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor® 488 secondary antibody.



Immunocytochemistry - Anti-SMUG1 antibody
(ab15716)

Immunocytochemistry/immunofluorescence analysis of U2OS cells labelling SMUG1 with ab15716 at 10 µg/mL showing strong nuclear staining. Cells were fixed with paraformaldehyde and permeabilized with 0.15% Triton. Primary incubation for 1 hour. Alexa Fluor® 488 secondary antibody at 2 µg/mL (green). Nuclear DNA was labelled with DAPI (blue).

Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (2 µg/mL).



Immunocytochemistry - Anti-SMUG1 antibody
(ab15716)

Immunocytochemistry/immunofluorescence analysis of MCF7 cells labelling SMUG1 with ab15716 at 10 µg/mL showing strong nuclear and cytoplasmic staining. Cells were fixed with paraformaldehyde and permeabilized with 0.15% Triton. Primary incubation for 1 hour. Alexa Fluor® 488 secondary antibody at 2 µg/mL (green). Nuclear DNA was labelled with DAPI (blue).

Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (2 µg/mL).

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