

Datasheet for ABIN185204

anti-SMUG1 antibody (N-Term)

5 Images

1 Publication

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Overview

Quantity:	100 µg
Target:	SMUG1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SMUG1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	SMUG1
Immunogen:	Peptide with sequence PQAFLGSIHEPA-C, from the N Terminus of the protein sequence according to NP_055126.1.
Sequence:	PQAFLGSIH EPA
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	SMUG1
Alternative Name:	SMUG1 (SMUG1 Products)
Background:	SMUG1, single-strand selective monofunctional uracil DNA glycosylase, FDG, HMUDG, UNG3, single-strand-selective monofunctional uracil-DNA glycosylase 1, MGC104370
Gene ID:	23583
NCBI Accession:	NP_055126
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Western Blot: Preliminary testing showed a band at approx 19 kDa in lysate of cell line HeLa after 0.1 µg/mL antibody staining (calculated MW of 19.6 kDa according to NP_001230718.1),. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nuclei of MCF7 and U205 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10u
Restrictions:	For Research Use only

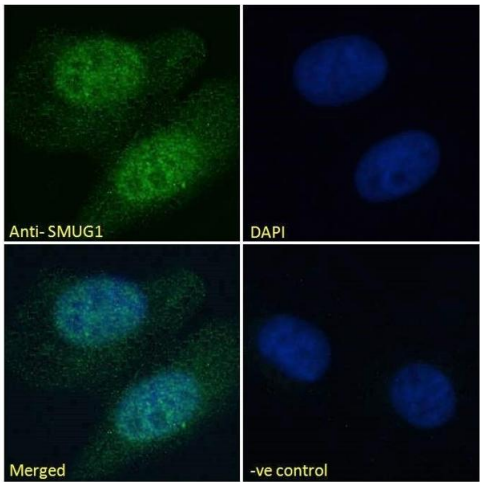
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Ma, Au, Waye: "Over-expression of SUMO-1 induces the up-regulation of heterogeneous nuclear ribonucleoprotein A2/B1 isoform B1 (hnRNP A2/B1 isoform B1) and uracil DNA glycosylase (UDG) in hepG2 cells." in: **Cell biochemistry and function**, Vol. 27, Issue 4, pp. 228-37, (2009) ([PubMed](#)).

Images



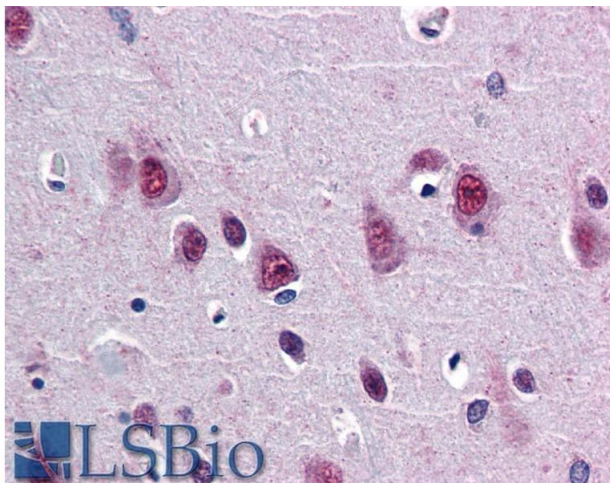
Immunofluorescence

Image 1. ABIN185204 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing strong nuclear staining. The nuclear stain is DAPI



Western Blotting

Image 2. ABIN185204 staining (0.5µg/ml) of Molt-4 lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry

Image 3. ABIN185204 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN185204.