

SMUG1 Polyclonal Antibody

Catalog NumberPA5-18262

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	10 µg/mL
Type	Antibody	Western Blot (WB)	0.1 µg/mL
Immunogen	Synthetic peptide sequence (PQAFLLSIHEPA) corresponding to the N-terminus amino acids of SMUG1	Immunocytochemistry (ICC/IF)	10 µg/mL
		* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is tested in Peptide ELISA: antibody detection limit dilution 128,000.

Background/Target Information

SMUG1 is a glycosylase that removes uracil from single- and double-stranded DNA in nuclear chromatin, thus contributing to base excision repair.

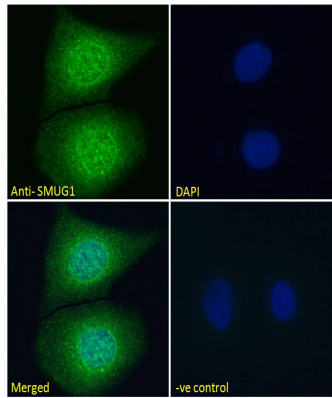
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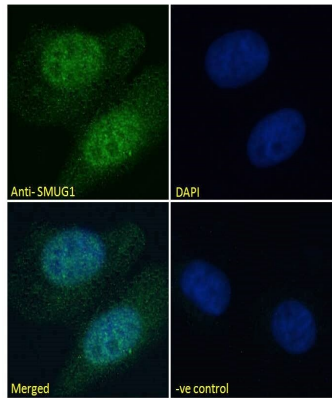
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Product Images For SMUG1 Polyclonal Antibody



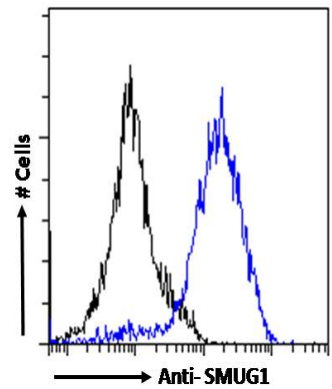
SMUG1 Antibody (PA5-18262) in ICC/IF

Immunocytochemistry analysis of SMUG1 using SMUG1 Polyclonal Antibody (Product # PA5-18262) in paraformaldehyde fixed MCF7 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 and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).



SMUG1 Antibody (PA5-18262) in ICC/IF

Immunocytochemistry analysis of SMUG1 using SMUG1 Polyclonal Antibody (Product # PA5-18262) in 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 (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).



SMUG1 Antibody (PA5-18262) in Flow

Flow cytometric analysis of SMUG1 in MCF7 cells using a polyclonal antibody (Product #PA5-18262). MCF7 cells (blue line) were paraformaldehyde fixed and permeabilized with 0.5% Triton. The primary antibody was incubated for one hour (10 µg/mL) followed by an Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by an Alexa Fluor 488 secondary antibody.

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