

Product Data Sheet

Anti-SMUG1 Antibody

Catalog #	Source	Reactivity	Applications
CPA2585	Rabbit	H, M, R, R, Mk	WB, IF/IC
Description	Rabbit polyclonal antibody to SMUG1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SMUG1. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of SMUG1 protein.		
Clonality	Polyclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)		
Gene Symbol	SMUG1		
Alternative Names	Single-strand selective monofunctional uracil DNA glycosylase		
Entrez Gene	23583 (Human); 71726 (Mouse); 315344 (Rat)		
SwissProt	Q53HV7 (Human); Q6P5C5 (Mouse); Q811Q1 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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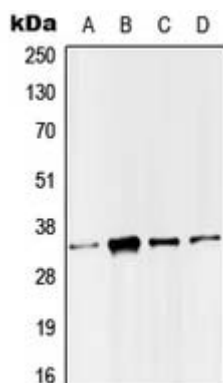
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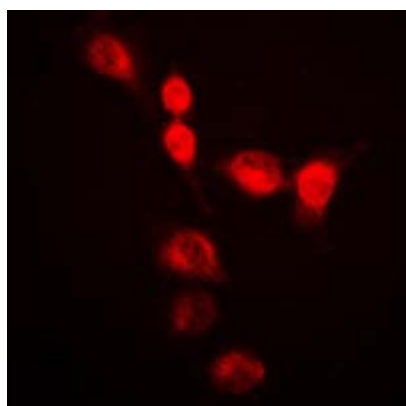
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Western blot analysis of SMUG1 expression in HeLa (A), Molt4 (B), Raw264.7 (C), H9C2 (D) whole cell lysates.



Immunofluorescent analysis of SMUG1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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