9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-SMC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1737

Product Overview

Name	KD-Validated Anti-SMC3 Rabbit Monoclonal Antibody
Accession(Primary)	Q9UQE7
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SMC3
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 142 kDa , observed , 141 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB):1:1,000-1:5,000 Immunocytochemistry (IC): 1:100-1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (Q9UQE7)

Gene Name	SMC3
About Gene Symbol	SMC3 (Structural Maintenance Of Chromosomes 3) is a membrane receptor involved in receptor-mediated signaling. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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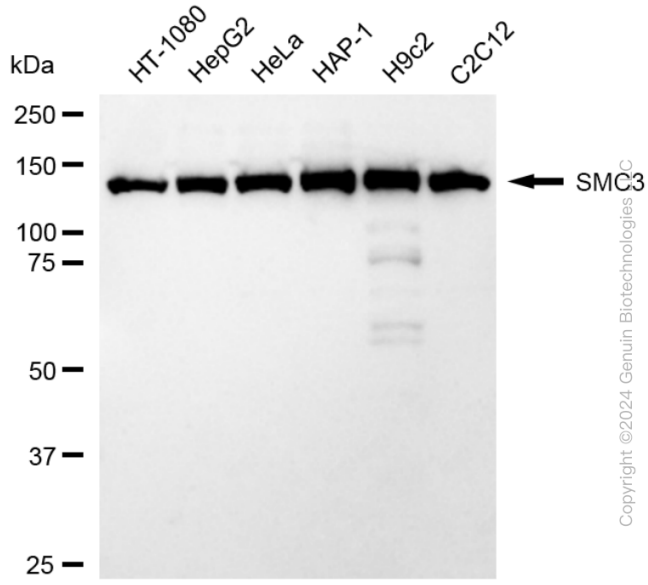
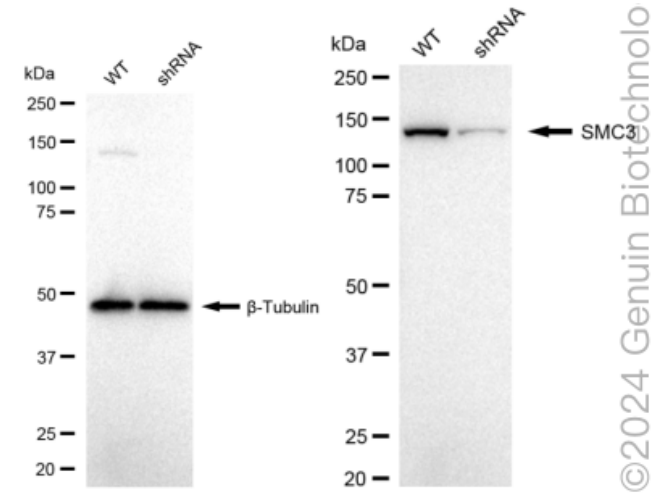
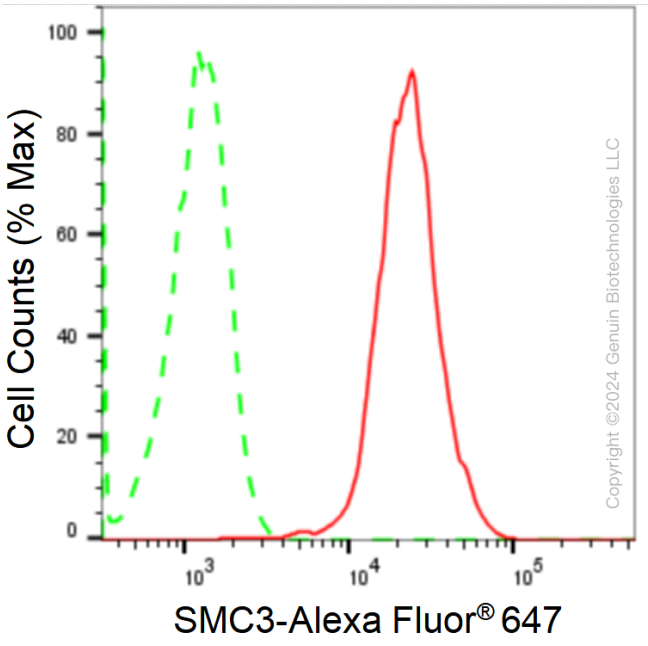


Western blotting analysis using anti-SMC3 antibody (Cat#ABG1737). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMC3 antibody (Cat#ABG1737, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMC3 antibody (Cat#ABG1737). SMC3 expression in wild type (WT) and SMC3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-SMC3 antibody (Cat#ABG1737, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of SMC3 expression in HepG2 cells using anti-SMC3 antibody (Cat#ABG1737, 1:2,000). Green, isotype control; red, SMC3.

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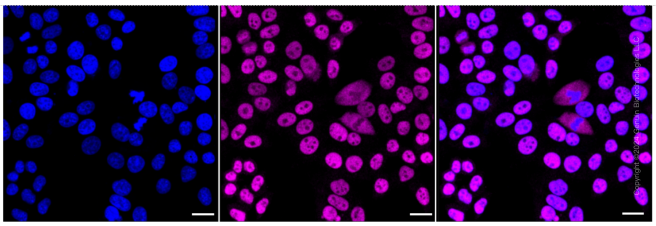

Immunocytochemical staining of HepG2 cells with anti-SMC3 antibody (Cat#ABG1737, 1:1,000). Nuclei were stained blue with DAPI; SMC3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.