

KD-Validated Anti-SMC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

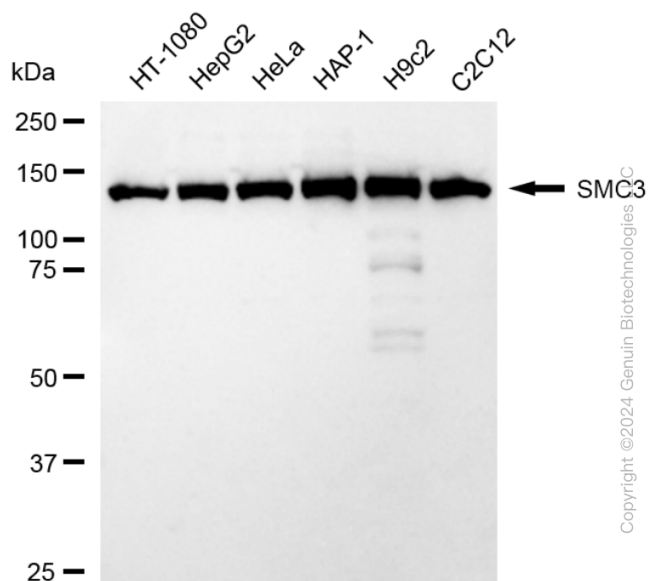
ABG1737

Product Overview

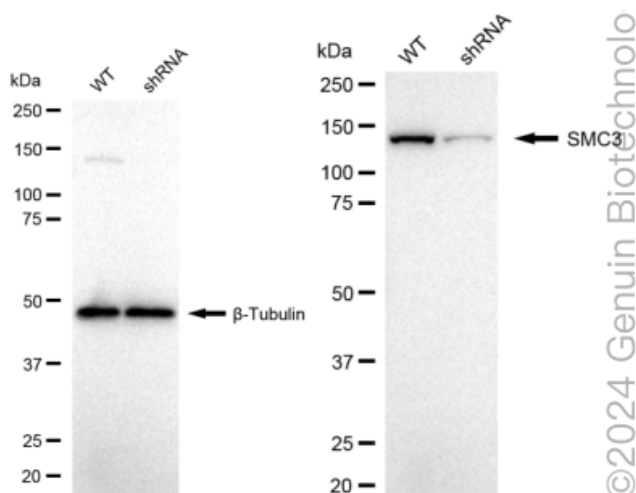
Name	KD-Validated Anti-SMC3 Rabbit Monoclonal Antibody
Accession(Primary)	Q9UQE7
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SMC3
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 142 kDa , observed , 141 kDa
Storage Buffer	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)

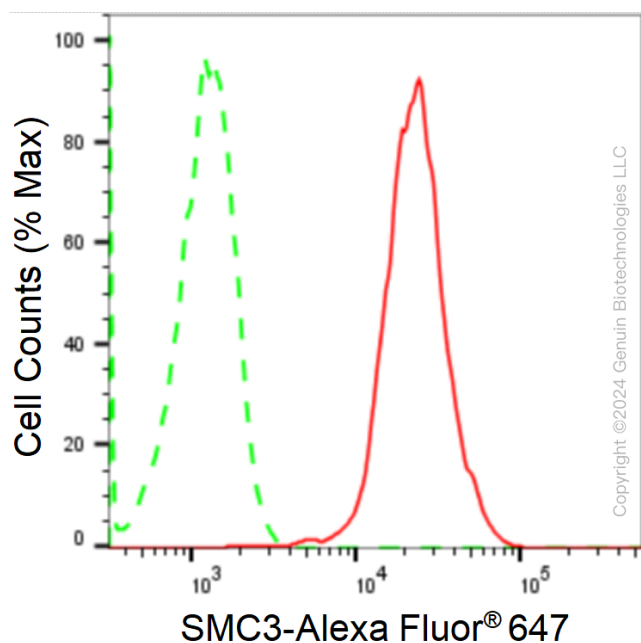
Gene Name	SMC3
About Gene Symbol	SMC3 (Structural Maintenance Of Chromosomes 3) is a membrane receptor involved in receptor-mediated signaling. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify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



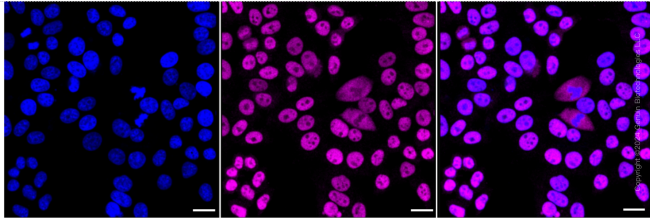
Western blotting analysis using anti-SMC3 antibody (Cat#ABG1737). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMC3 antibody (Cat#ABG1737, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMC3 antibody (Cat#ABG1737). SMC3 expression in wild type (WT) and SMC3 shRNA knockdown (KD) HeLa cells with 20 μ g 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.



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 μ m.