

KD-Validated Anti-SMC4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

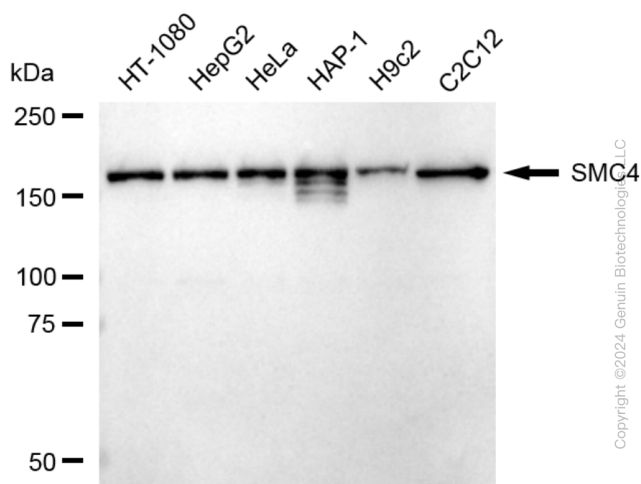
ABG1744

Product Overview

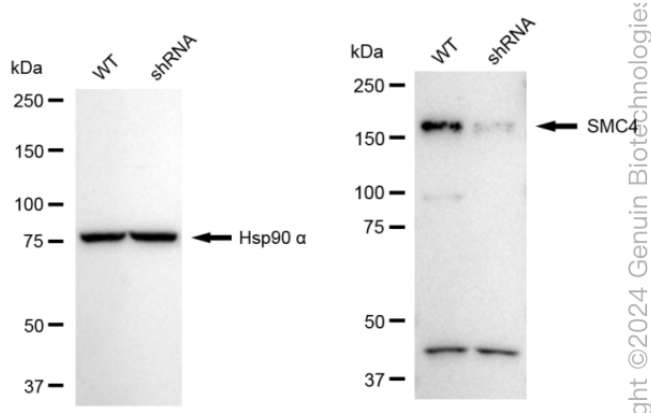
Name	KD-Validated Anti-SMC4 Rabbit Monoclonal Antibody
Accession(Primary)	Q9NTJ3
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SMC4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 147 kDa , observed , 180 kDa
Storage Buffer	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 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q9NTJ3)

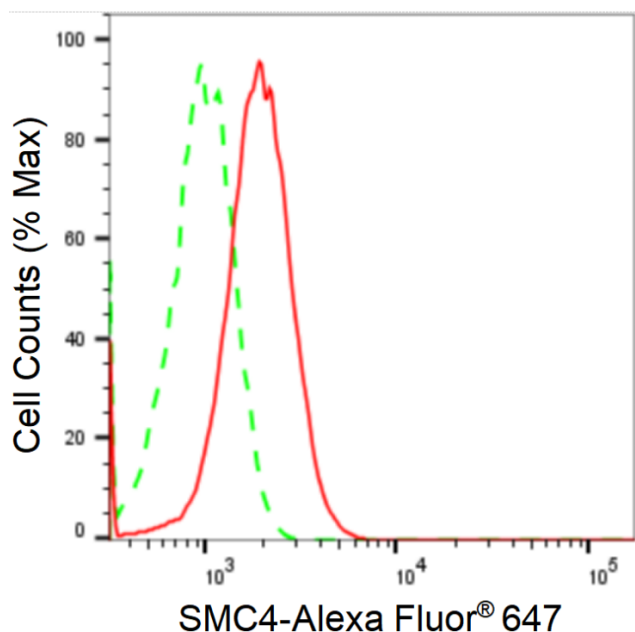
Gene Name	SMC4
About Gene Symbol	SMC4 (Structural Maintenance Of Chromosomes 4) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



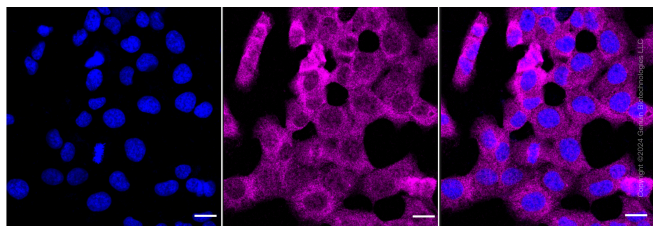
Western blotting analysis using anti-SMC4 antibody (Cat#ABG1744). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMC4 antibody (Cat#ABG1744, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMC4 antibody (Cat#ABG1744). SMC4 expression in wild type (WT) and SMC4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SMC4 antibody (Cat#ABG1744, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of SMC4 expression in HT-1080 cells using anti-SMC4 antibody (Cat#ABG1744, 1:2,000). Green, isotype control; red, SMC4.



Immunocytochemical staining of HT-1080 cells with anti-SMC4 antibody (Cat#ABG1744, 1:1,000). Nuclei were stained blue with DAPI; SMC4 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.