

KD-Validated Anti-SMCHD1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

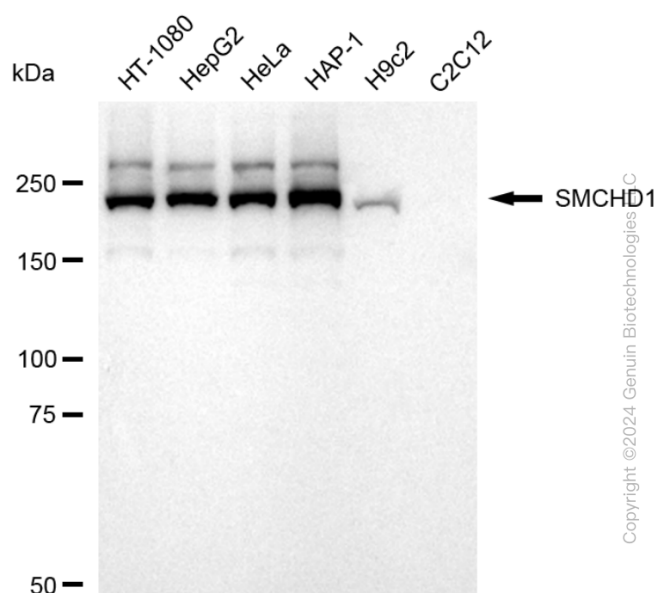
ABG1765

Product Overview

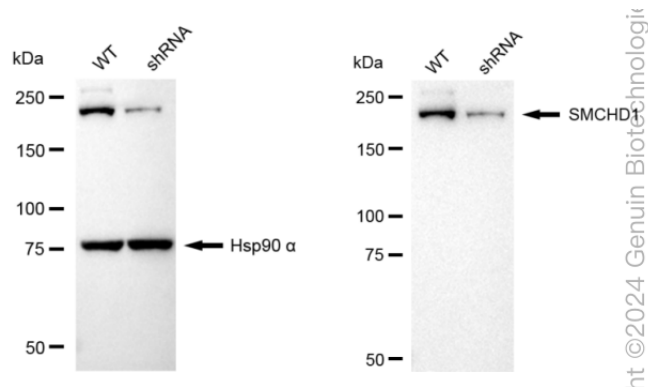
Name	KD-Validated Anti-SMCHD1 Rabbit Monoclonal Antibody
Accession(Primary)	A6NHR9
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SMCHD1
Species Reactivity	Human, Rat
Calculated MW	Predicted, 226 kDa , observed , 226 kDa
Storage Buffer	Supplied 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

Target information (A6NHR9)

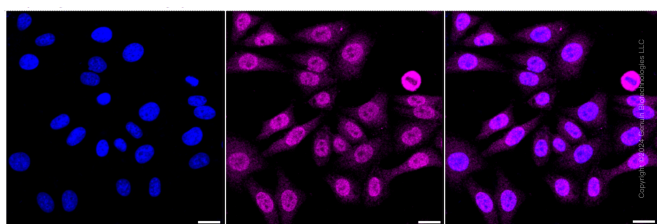
Gene Name	SMCHD1
About Gene Symbol	SMCHD1 (Structural Maintenance Of Chromosomes Flexible Hinge Domain Containing 1) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



Western blotting analysis using anti-SMCHD1 antibody (Cat#ABG1765). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMCHD1 antibody (Cat#ABG1765, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMCHD1 antibody (Cat#ABG1765). SMCHD1 expression in wild type (WT) and SMCHD1 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-SMCHD1 antibody (Cat#ABG1765, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with anti-SMCHD1 antibody (Cat#ABG1765, 1:1,000). Nuclei were stained blue with DAPI; SMCHD1 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.