
Product Name: KD-Validated SMCHD1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00836**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 226.4kDa

Antigen Information

Gene Name	SMCHD1
Alternative Names	SMCHD1; Structural Maintenance Of Chromosomes Flexible Hinge Domain Containing 1; KIAA0650; FSHD2; Structural Maintenance Of Chromosomes Flexible Hinge Domain-Containing Protein 1; SMC Hinge Domain-Containing Protein 1; EC 3.6.1.-; BAMS
Gene ID	23347.0
SwissProt ID	A6NHR9
Immunogen	A synthesized peptide derived from human SMCHD1

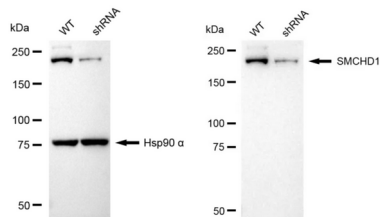
Background

This gene encodes a protein which contains a hinge region domain found in members of the SMC (structural maintenance of chromosomes) protein family. [provided by RefSeq, Dec 2011]

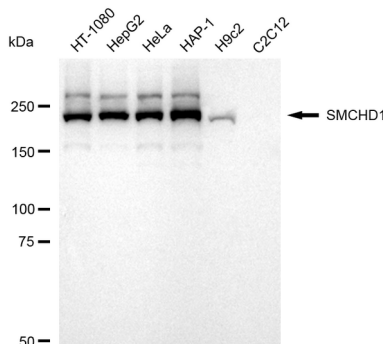
Research Area

Epigenetics and Nuclear Signaling

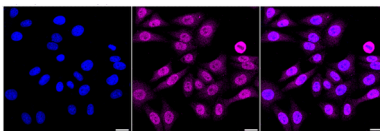
Image Data



Western blotting analysis using SMCHD1 antibody (KVA00836). 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 SMCHD1 antibody (KVA00836, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SMCHD1 antibody (KVA00836). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SMCHD1 antibody (KVA00836, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with SMCHD1 antibody (KVA00836, 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.