
Product Name: KD-Validated SMARCC1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01297

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,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; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 122.9kDa

Antigen Information

Gene Name	SMARCC1 SMARCC1; SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin Subfamily C Member 1; BAF155; CRACC1; SRG3; SWI/SNF-Related Matrix-Associated Actin-Dependent Regulator Of Chromatin Subfamily C Member 1; SWI/SNF Complex Subunit
Alternative Names	SMARCC1; SWI/SNF Complex 155 KDa Subunit; BRG1-Associated Factor 155; Rsc8; SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of; Chromatin, Subfamily C, Member 1; Mammalian Chromatin Remodeling Complex BRG1-Associated Factor 155; Chromatin Remodeling Complex BAF155 Subunit; HYC5; SWI3; RSC8
Gene ID	6599.0
SwissProt ID	Q92922
Immunogen	A synthesized peptide derived from human SMARCC1/BAF155

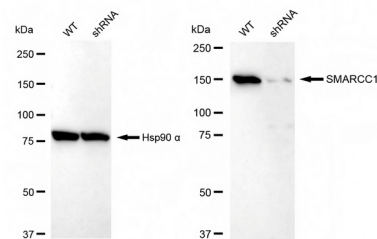
Background

The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and contains a predicted leucine zipper motif typical of many transcription factors. [provided by RefSeq, Jul 2008]

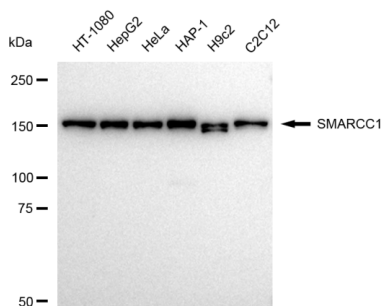
Research Area

Epigenetics and Nuclear Signaling

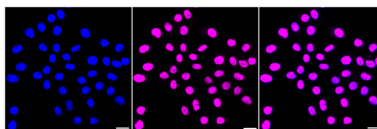
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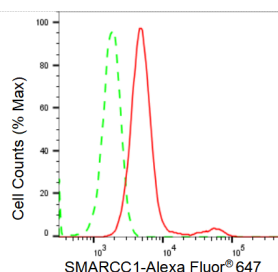
Western blotting analysis using SMARCC1 antibody (KVA01297). SMARCC1 expression in wild type (WT) and SMARCC1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SMARCC1 antibody (KVA01297, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SMARCC1 antibody (KVA01297). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SMARCC1 antibody (KVA01297, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with SMARCC1 antibody (KVA01297, 1:1,000). Nuclei were stained blue with DAPI; SMARCC1 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.



Flow cytometric analysis of SMARCC1 expression in HepG2 cells using SMARCC1 antibody (KVA01297, 1:2,000). Green, isotype control; red, SMARCC1.