

Rabbit anti-Human, mouse Smarcc1 Polyclonal Antibody | anti-Smarcc1 antibody

(Mouse) Smarcc1 Antibody (C-term)

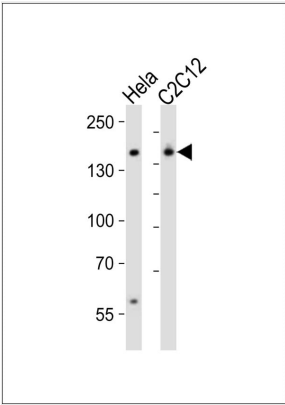
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285269	Rabbit	Human, mouse	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

Smarcc1; Polyclonal Antibody; (Mouse) Smarcc1 Antibody (C-term); SWI/SNF complex subunit SMARCC1; BRG1-associated factor 155; SWI/SNF complex 155 kDa subunit; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 1; SWI3-related protein; BAF155; Baf155; Srg3; anti-Smarcc1 antibody

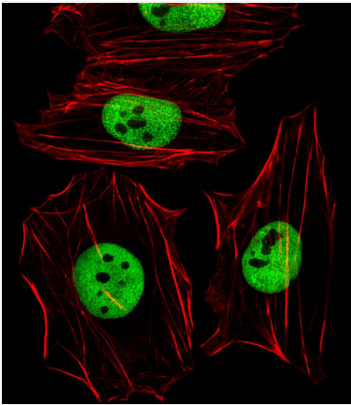
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This (Mouse) Smarcc1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 963-997 amino acids from the C-terminal region of (Mouse) Smarcc1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	1,075
Applicable Applications for anti-Smarcc1 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

Western blot analysis of lysates from HeLa, mouse C2C12 cell line (from left to right), using Smarcc1 Antibody (C-term). AAA285269 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



IF (Immunofluorescence)

Fluorescent image of HeLa cells stained with (Mouse) Smarcc1 Antibody (C-term). AAA285269 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-Smarcc1 antibody	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). May stimulate the ATPase activity of the catalytic subunit of the complex. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR- mediated transrepression of the CYP27B1 gene (By similarity). Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron- specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth.
Product Categories/Family for anti-Smarcc1 antibody	Crown Antibodies
References	Jeon S.H.,et al.J. Exp. Med. 185:1827-1836(1997). Kim J.K.,et al.Mol. Cell. Biol. 21:7787-7795(2001). Lessard J.,et al.Neuron 55:201-215(2007). Sweet S.M.,et al.Mol. Cell. Proteomics 8:904-912(2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	112421097
NCBI GeneID	20588
NCBI Accession #	NP_033237.2
NCBI GenBank Nucleotide #	NM_009211.2
UniProt Accession #	P97496; Q7TS80; Q7TT29
Molecular Weight	122890
NCBI Official Full Name	SWI/SNF complex subunit SMARCC1
NCBI Official Synonym Full Names	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1

NCBI Official Symbol	Smarcc1
NCBI Official Synonym Symbols	Rsc8; SRG3; msp3; BAF155; AI115498
NCBI Protein Information	SWI/SNF complex subunit SMARCC1
UniProt Protein Name	SWI/SNF complex subunit SMARCC1
UniProt Gene Name	Smarcc1
UniProt Synonym Gene Names	Baf155; Srg3; BAF155
UniProt Entry Name	SMRC1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/smarcc1-antibody-western-blot-immunofluorescence-elisa/285269>