

Rabbit anti-Human SMARCC2 Polyclonal Antibody | anti-SMARCC2 antibody

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CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA244120	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

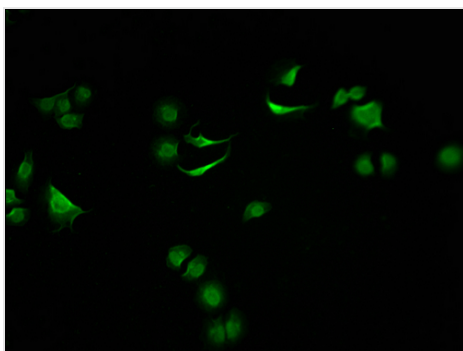
PRODUCT SYNONYMS

SMARCC2; Polyclonal Antibody; Rabbit anti-Human SMARCC2 Polyclonal Antibody; SWI/SNF complex subunit SMARCC2 (BRG1-associated factor 170) (BAF170) (SWI/SNF complex 170kDa subunit) (SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 2); BAF170; SMARCC2 Antibody; anti-SMARCC2 antibody

PRODUCT SPECIFICATIONS

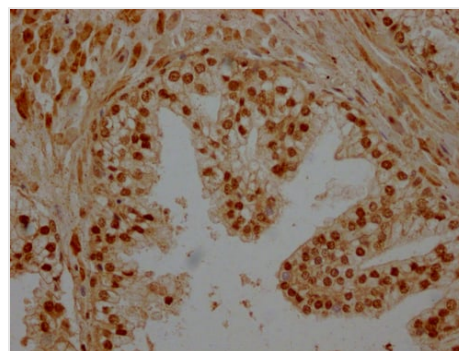
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid. Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Applicable Applications for anti-SMARCC2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human SWI/SNF complex subunit SMARCC2 protein (300-647aa)
Conjugation	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells with at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)

IHC image of diluted at 1:200 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Related Product Information for anti-SMARCC2 antibody	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Can stimulate the ATPase activity of the catalytic subunit of these complexes. May be required for CoREST dependent repression of neuronal specific gene promoters in non-neuronal cells. 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 (By similarity).
Product Categories/Family for anti-SMARCC2 antibody	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	194363725
NCBI GeneID	6601
NCBI Accession #	NP_001123892.1
NCBI GenBank Nucleotide #	NM_001130420.1
UniProt Accession #	Q8TAQ2; Q59GV3; Q92923; Q96E12; Q96GY4; F8VTJ5
Molecular Weight	133kDa
NCBI Official Full Name	SWI/SNF complex subunit SMARCC2 isoform c
NCBI Official Synonym Full Names	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2
NCBI Official Symbol	SMARCC2
NCBI Official Synonym Symbols	Rsc8; BAF170; CRACC2
NCBI Protein Information	SWI/SNF complex subunit SMARCC2; SWI3-like protein; BRG1-associated factor 170; SWI/SNF complex 170 kDa subunit; chromatin remodeling complex BAF170 subunit; mammalian chromatin remodeling complex BRG1-associated factor 170; SWI/SNF-related matrix-associa
UniProt Protein Name	SWI/SNF complex subunit SMARCC2
UniProt Gene Name	SMARCC2
UniProt Synonym Gene Names	BAF170; BAF170
UniProt Entry Name	SMRC2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smarcc2-antibody-immunofluorescence-immunohistochemistry-elisa/244120>