

Rabbit SMARCA4 Polyclonal Antibody | anti-SMARCA4 antibody

SMARCA4 Antibody

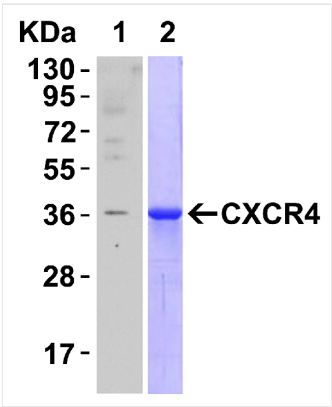
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40772	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SMARCA4; Polyclonal Antibody; SMARCA4 Antibody; BRG1; SNF2; SWI2; MRD16; RTPS2; BAF190; SNF2L4; SNF2LB; hSNF2b; BAF190A; SNF2B; Transcription activator BRG1; ATP-dependent helicase SMARCA4; SWI/SNF related; matrix associated; actin dependent regulator of chromatin; subfamily a; member 4; anti-SMARCA4 antibody

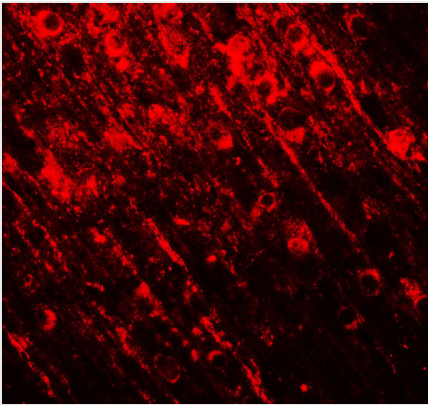
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMARCA4 antibody is human, mouse and rat reactive. Multiple isoforms of SMARCA4 are known to exist.
Purity/Purification	SMARCA4 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1679
Applicable Applications for anti-SMARCA4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SMARCA4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human SMARCA4.
Buffer	SMARCA4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SMARCA4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.



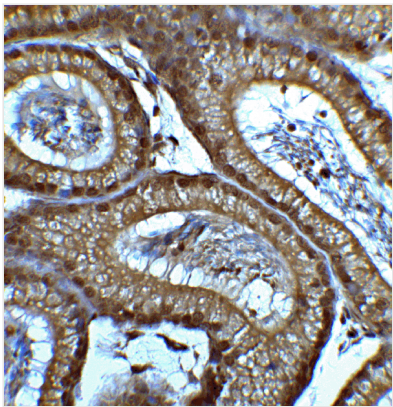
IF (Immunofluorescence)

Immunofluorescence of SMARCA4 in mouse testis tissue with SMARCA4 antibody at 20 µg/ml. Green: SMARCA4 Antibody (7749)Blue: DAPI staining



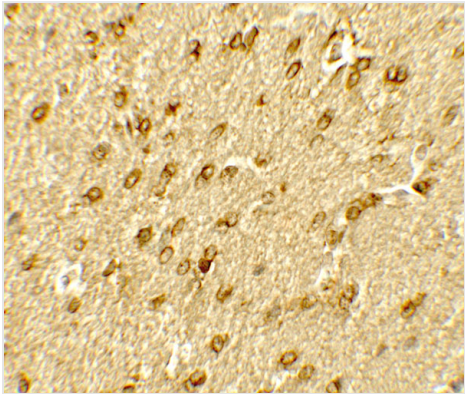
IF (Immunofluorescence)

Immunofluorescence of SMARCA4 in rat brain tissue with SMARCA4 antibody at 5 µg/ml.



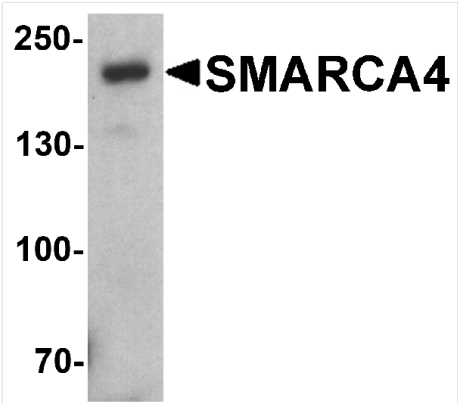
IHC (Immunohistochemistry)

Immunohistochemistry of SMARCA4 in mouse testis tissue with SMARCA4 antibody at 2 µg/ml.



IHC (Immunohistochemistry)

Immunohistochemistry of SMARCA4 in rat brain tissue with SMARCA4 antibody at 5 µg/ml.



WB (Western Blot)

Western blot analysis of SMARCA4 in SK-N-SH cell lysate with SMARCA4 antibody at 1 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SMARCA4 antibody	The SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily a member 4 (SMARCA4) protein, also known as BRG1, is a member of the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila (1). Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes (2). The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin (3). In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44 (4,5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	192807323
NCBI GeneID	6597
NCBI Accession #	NP_001122321
NCBI GenBank Nucleotide #	NM_001128849.1
UniProt Accession #	P51532; O95052; Q9HBD3; B1A8Z4; B1A8Z5; B1A8Z6; B1A8Z7; E9PBR8
Molecular Weight	Predicted: 185 kDa Observed: 200 kDa
NCBI Official Full Name	transcription activator BRG1 isoform A
NCBI Official Synonym Full Names	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
NCBI Official Symbol	SMARCA4
NCBI Official Synonym Symbols	BRG1; SNF2; SWI2; MRD16; RTPS2; BAF190; SNF2L4; SNF2LB; hSNF2b; BAF190A
NCBI Protein Information	transcription activator BRG1; SNF2-beta; SNF2-like 4; protein BRG-1; nuclear protein GRB1; brahma protein-like 1; BRM/SWI2-related gene 1; homeotic gene regulator; protein brahma homolog 1; BRG1-associated factor 190A; sucrose nonfermenting-like 4; ATP-dependent helicase SMARCA4; mitotic growth and transcription activator; global transcription activator homologous sequence
UniProt Protein Name	Transcription activator BRG1
UniProt Gene Name	SMARCA4
UniProt Synonym Gene Names	BAF190A; BRG1; SNF2B; SNF2L4; BAF190A
UniProt Entry Name	SMCA4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/smarca4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40772>