

Rabbit anti-Human BRG1/SMARCA4 Monoclonal Antibody | anti-SMARCA4 antibody

BRG1/SMARCA4 Rabbit mAb

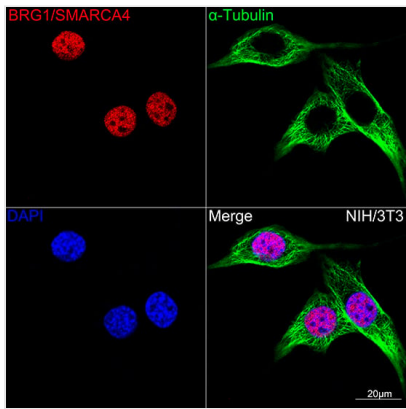
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28507	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

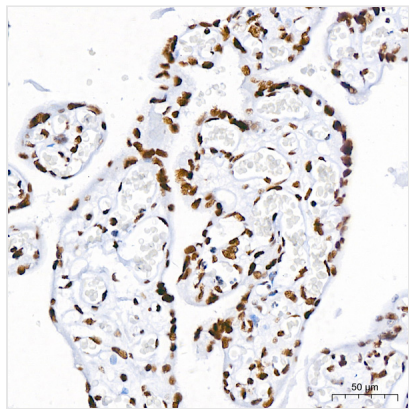
BRG1/SMARCA4; Monoclonal Antibody; BRG1/SMARCA4 Rabbit mAb; BRG1; CSS4; SNF2; SWI2; MRD16; RTPS2; BAF190; SNF2L4; SNF2LB; hSNF2b; BAF190A; SNF2-beta; anti-SMARCA4 antibody

PRODUCT SPECIFICATIONS

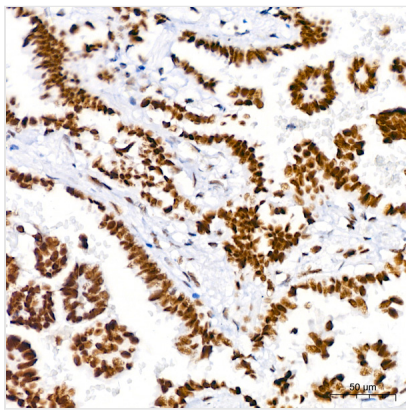
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	LQMAVQGKRP MPGMQQQMPT LPPPSVSATG PGPGPGPGPG PGPGPAPPNY SRPHGMGGPN MPPPGPSGVP PGMPGQPPGG PPKPWPEGPM ANAAAPTSTP Q
Applicable Applications for anti-SMARCA4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:100-1:500 IF/ICC: 1:100-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human BRG1/SMARCA4 (P51532).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



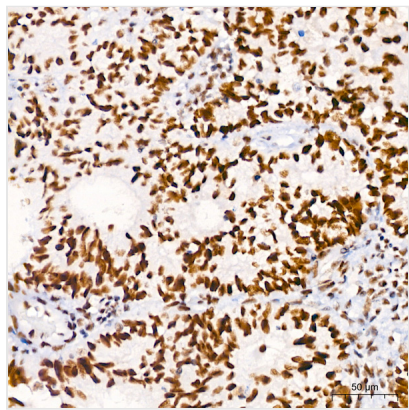
ICC (Immunocytochemistry)
Confocal imaging of NIH-3T3 cells using BRG1/SMARCA4 Rabbit mAb (AAA28507,dilution 1:100)(Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



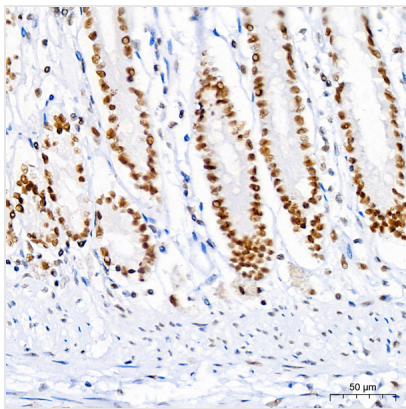
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human placenta using BRG1/SMARCA4 Rabbit mAb (AAA28507) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



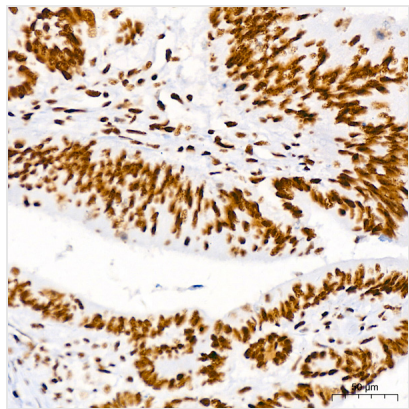
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma using BRG1/SMARCA4 Rabbit mAb (AAA28507) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human endometrium cancer using BRG1/SMARCA4 Rabbit mAb (AAA28507) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon using BRG1/SMARCA4 Rabbit mAb (AAA28507) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using BRG1/SMARCA4 Rabbit mAb (AAA28507) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-SMARCA4 antibody	The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila. 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. 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. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Mutations in this gene cause rhabdoid tumor predisposition syndrome type 2. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-SMARCA4 antibody	Epigenetics Nuclear Signaling; Chromatin Remodeling; Cancer; Tumor suppressors; Neuroscience; Cell Type Marker; Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	192807312
NCBI GeneID	6597
NCBI Accession #	NP_001122316.1
NCBI GenBank Nucleotide #	NM_001128844.1
UniProt Accession #	P51532; O95052; Q9HBD3; B1A8Z4; B1A8Z5; B1A8Z6; B1A8Z7; E9PBR8
Molecular Weight	Calculated MW: 185kDa Observed MW: 220kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/brg1-smarca4-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28507>