

Mouse BRG-1/SMARCA4 Monoclonal Antibody | anti-BRG-1/SMARCA4 antibody

BRG-1/SMARCA4 (BSB-154)

CATALOG # AAA59358	HOST Mouse	REACTIVITY Human, Mouse, Rat
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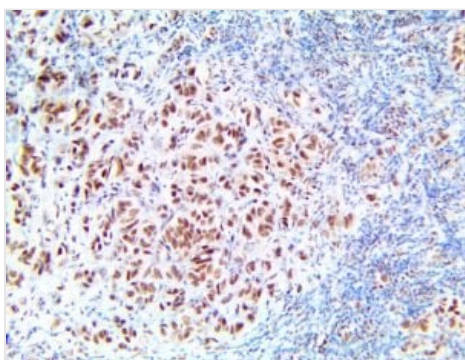
PRODUCT SYNONYMS

BRG-1/SMARCA4; Monoclonal Antibody; BRG-1/SMARCA4 (BSB-154); brg-1; brg1; anti-brg-1; anti-brg1; smarca-4; anti-smarca-4; smarca4; anti-smarca4; brg-1 /smarca4; brg-1/smarca4; /smarca4; anti Brg-1; anti-Brg 1; anti Brg 1; anti Brg1; anti-SMARCA4; anti SMARCA4; ATP dependent helicase SMARCA4; BAF190; brahma protein like 1; BRM SWI2 related gene 1; global transcription activator homologous sequence; homeotic gene regulator; hSNF2b; mitotic growth and transcription activator; nuclear protein GRB1; SNF2; SNF2 beta; SNF2 like 4; SNF2L4; SNF2LB; sucrose nonfermenting like 4; SWI2; BAF190A; BRG1 associated factor 190A; Protein brahma homolog 1; protein BRG 1; transcription activator BRG1; RTPS2; anti-BRG-1/SMARCA4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-154
Form/Format	Paraffin, Frozen BRG-1/SMARCA4 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to the N-terminus of the human Brg-1 protein.
Control	Colon, Kidney, Prostate, Testis, Transitional Cell Carcinoma, T Cell Lymphoblastic Lymphoma
Localization	Nuclear
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

BRG-1 Antibody Immunohistochemistry on an FFPE Ductal Breast Carcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-BRG-1/SMARCA4 antibody	Brahma-related gene-1 (BRG-1) protein is encoded by the gene SMARCA-4, which is localized on chromosome 19. BRG-1 is the core catalytic ATPase subunit of the SWItch/sucrose non-fermentable (SWI/SNF) complex. SWI/SNFs are a member of the family of ATP-dependent chromatin-remodeling complexes and the function of SWI/SNFs is to facilitate the transcriptional activation or repression of target genes. BRG-1 is essential for DNA repair, differentiation, and organ development. The molecular weight of the BRG-1 subunit is approximately 185 kDa. There are several studies that suggest the involvement of BRG-1 in different cancer types. It was found that the loss of BRG-1 antibody expression occurs in a portion of tested cancers types, including Breast, Colon, Head/Neck, Ovarian, Liver and Renal Cell Cancer. On the contrary, overexpression of BRG-1 was found in Breast, Colorectal, and Prostate Cancer, as well as Melanoma and Neuroblastoma. An IHC analysis of BRG-1 in Non-Small Cell Lung Cancer (NSCLC) patients revealed that the survival rate of BRG-1 negative patients was 0%, when compared to BRG-1 positive patients, indicating the prognostic value of BRG-1 as a biomarker. Other IHC studies found that the loss of BRG-1 protein expression highly correlates with Small Cell Carcinoma of the Ovary, Hypercalcemic Type (SCCOHT), suggesting BRG-1 as a test marker for SCCOHT.
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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://stage.aaabiotech.com/monoclonal/brg-1-smarca4-antibody-clone-bsb-154-elisa/59358>