

Mouse anti-Human, Mouse BRG1 Monoclonal Antibody | anti-BRG1 antibody

BRG1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320387	Mouse	Human, Mouse	Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot

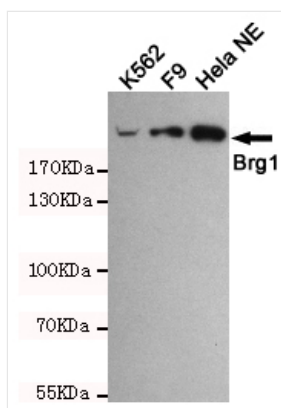
PRODUCT SYNONYMS

BRG1; Monoclonal Antibody; BRG1 Mouse mAb; ATP dependent helicase SMARCA4; ATP-dependent helicase SMARCA4; BAF 190; BAF190; BAF190A; Brahma protein homolog 1; Brahma protein like 1; BRG1 associated factor 190A; BRG1 protein; BRG1-associated factor 190A; BRM/SWI2 related gene 1; Global transcription activator homologous sequence; global transcription activator snf2l4; Homeotic gene regulator; hSNF2b; Mitotic growth and transcription activator; MRD16; Nuclear protein GRB1; Protein brahma homolog 1; Protein BRG-1; Protein BRG1; RTPS2; SMARC A4; SMARCA4; SMCA4_HUMAN; SNF2; SNF2 beta; SNF2 like 4; SNF2-beta; SNF2B; SNF2L4; SNF2LB; Sucrose nonfermenting like 4; SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily A member 4; SWI/SNF related; matrix associated; actin dependent regulator of chromatin; subfamily a; member 4; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 4; SWI2; Transcription activator BRG1.; anti-BRG1 antibody

PRODUCT SPECIFICATIONS

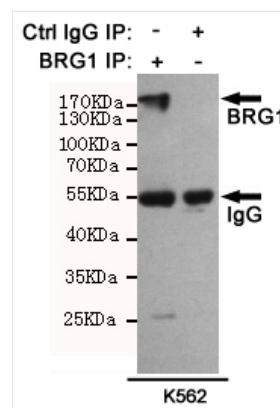
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of BRG1 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BRG1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human BRG1 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



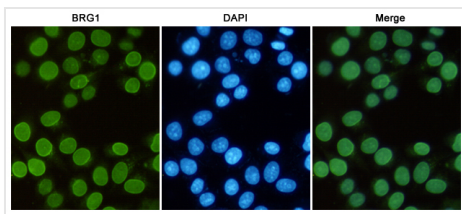
IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells fixed with 4% Paraformaldehyde and using anti-BRG1 mouse mAb (dilution 1:50). DAPI was used to stain nucleus(blue).



IP (Immunoprecipitation)

Immunoprecipitation analysis of K562 cell lysates using BRG1 mouse mAb (201025).



WB (Western Blot)

Western blot detection of BRG1 in Hela NE.F9 and K562 cell lysates using BRG1 mouse mAb (1:1000 diluted). Predicted band size: 220KDa. Observed band size: 220KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BRG1 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. [provided by RefSeq, May 2012]
Product Categories/Family for anti-BRG1 antibody	Primary 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	1647
NCBI Official Full Name	transcription activator BRG1 isoform B
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-de
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://stage.aaabiotech.com/monoclonal/brg1-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-western-blot-elisa/320387>