

Product datasheet for **TA347050**

BRG1 (SMARCA4) Mouse Monoclonal Antibody [Clone ID: 6D7-F7-B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6D7-F7-B6
Applications:	IF, IP, WB
Recommended Dilution:	WB: 1:1000, IF: 1:50
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for SMARCA4 antibody: purified recombinant human BRG1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	220 kDa
Gene Name:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
Database Link:	NP_001122316 Entrez Gene 20586 Mouse Entrez Gene 6597 Human P51532



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Background:

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]

Synonyms:

BAF190; BAF190A; BRG1; CSS4; hSNF2b; MRD16; RTPS2; SNF2; SNF2L4; SNF2LB; SWI2

Protein Families:

Druggable Genome, Transcription Factors