

产品名称: Brg-1 Rabbit Polyclonal Antibody
产品货号: AP Rab07654



产品概述 (Summary)

产品名称 (Production Name)	Brg-1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SMARCA4 SMARCA4; BAF190A; BRG1; SNF2B; SNF2L4; Transcription activator BRG1; ATP-dependent helicase SMARCA4; BRG1-associated factor 190A; BAF190A;
别名 (Alternative Names)	Mitotic growth and transcription activator; Protein BRG-1; Protein brahma homolog 1; SNF2-beta; SWI/S
基因 ID (Gene ID)	6597.0
蛋白 ID (SwissProt ID)	P51532. The antiserum was produced against synthesized peptide derived from human Brg-1. AA range: 1565-1614

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:100-1:500, ELISA 1:5000-1:20000
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蛋白分子量 (Molecular Weight) 200kDa

研究背景 (Background)

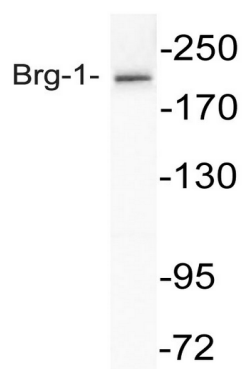
The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of *Drosophila*. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. 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],function:Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SNF2/RAD54 helicase family.,similarity:Contains 1 bromo domain.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 1 HSA domain.,subunit:Interacts with NR3C1, PGR, SMARD1, TOPBP1 and ZMIM2/ZIMP7. Component of the BAF complex, which includes at least actin (ACTB), ARID1A, ARID1B/BAF250, SMARCA2, SMARCA4/BRG1, ACTL6A/BAF53, ACTL6B/BAF53B, SMARCE1/BAF57, SMARCC1/BAF155, SMARCC2/BAF170, SMARCB1/SNF5/INI1, and one or more of SMARCD1/BAF60A, SMARCD2/BAF60B, or SMARCD3/BAF60C. In muscle cells, the BAF complex also contains DPFB3. Component of the BAF53 complex, at least composed of BAF53A, RUVBL1, SMARCA4/BRG1, and TRRAP, which preferentially acetylates histone H4 (and H2A) within nucleosomes. Component of the WINAC complex, at least composed of SMARCA2, SMARCA4, SMARCB1, SMARCC1, SMARCC2, SMARCD1, SMARCE1, ACTL6A, BAZ1B/WSTF, ARID1A, SUPT16H, CHAF1A and TOP2B.,

研究领域 (Research Area)

Neuroscience

图片 (Image Data)

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Western blot analysis of lysate from K562 cells, using Brg-1 antibody.

注意事项 (Note)

For research use only .