ELK Biotechnology

Brg-1 rabbit pAb

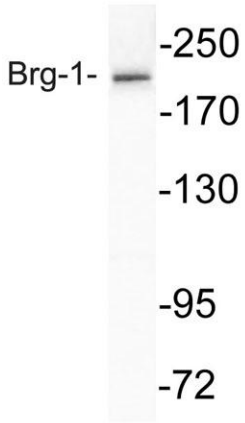
Cat No.:ES7238

For research use only

Overview

Product Name	Brg-1 rabbit pAb
Host species	Rabbit
Applications	WB; IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000; IF/ICC 1:100-500;ELISA 1:5000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human Brg-1. AA range:1565-1614
Specificity	Brg-1 Polyclonal Antibody detects endogenous levels of Brg-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Transcription activator BRG1
Gene Name	SMARCA4
Cellular localization	Nucleus . Colocalizes with long non-coding RNA Evf2 in nuclear RNA clouds. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	200kD
Human Gene ID	6597
Human Swiss-Prot Number	P51532
Alternative Names	SMARCA4; BAF190A; BRG1; SNF2B; SNF2L4; Transcription activator BRG1; ATP-dependent helicase SMARCA4; BRG1-associated factor 190A; BAF190A; Mitotic growth and transcription activator; Protein BRG-1; Protein brahma homolog 1; SNF2-beta; SWI/S
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],



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

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