

BRG1 Rabbit pAb

db3420

Package : 20µL 50µL 100µL

Product Name : BRG1 Rabbit pAb**Cat.No.:** db3420**Synonyms** : Brg1; SW1/SNF; HP1-BP72; SNF2beta; b2b692Clo; b2b508.1Clo**Application** : WB, IHC, ICC/IF, FC, IP, ChIP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. Component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex. At the same time, there is increased recruitment of CREBBP to the promoter by a CREST-dependent mechanism, which leads to transcriptional activation. The CREST-BRG1 complex also binds to the NR2B promoter, and activity-dependent induction of NR2B expression involves a release of HDAC1 and recruitment of CREBBP (By similarity).

Immunogen

A synthetic peptide of mouse BRG1

Gene ID

20586

Swiss Prot

Q3TKT4

Synonyms

Brg1; SW1/SNF; HP1-BP72; SNF2beta; b2b692Clo; b2b508.1Clo

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC, IP, ChIP

Recommended dilution

WB: 1:2000-1:10000

IHC: 1:20-1:100

ICC/IF: 1:50

FC: 1:20

IP: 1:20-1:50

ChIP: 1:20

Calculated MW

185 kDa

Observed MW

220 kDa

Host species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.