

## 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

|                          |   |
|--------------------------|---|
| <b>Host species</b>      | Rabbit  |
| <b>Clonality</b>         | Polyclonal  |
| <b>Isotype</b>           | IgG   |
| <b>Purity</b>            | Affinity Purification   |
| <b>Conjugation</b>       | Un-conjugated   |
| <b>Storage Stability</b> | 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. |