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
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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.