







BRG1 (DGR14531) Rabbit mAb

db11111 Package : 10μL 20μL 50μL 100μL

Product Name: BRG1 (DGR14531) Rabbit mAb

Cat.No.: db11111

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

Application: WB, IHC-P, ICC/IF, FC, IP

Reactivity: Human, Mouse, Rat

Host species: Rabbit

BackgroundTranscriptional 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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Application WB, IHC-P, ICC/IF, FC, IP

Recommended dilution WB: 1:2000-1:20000

IHC-P: 1:100-1:200 ICC/IF: 1:200-1:500 FC: 1:100-1:200

IP: 1:10-1:100

Calculated MW 185 kDa

Observed MW 220 kDa



For Research Use Only **Product Datasheet**

Host species Rabbit

Clonality Monoclonal

Clonality No. DGR14531

Isotype IgG

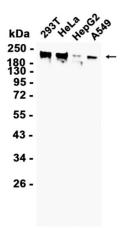
Purity Affinity Purification

Conjugation Un-conjugated

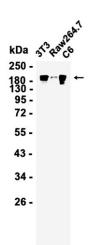
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.

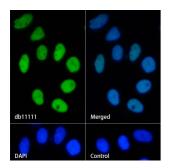




Western blot analysis of extracts from 293T,HeLa,HepG2,A549 cells using db11111 at 1:1000.



Western blot analysis of extracts from 3T3,RAW264.7,C6 cells using db11111 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling BRG1 with db11111.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11111 (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.