

SMARCA2/BRM Recombinant Rabbit mAb

Catalog Number: bsm-60621R

Target Protein: SMARCA2/BRM

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: E7F8

Isotype: IgG

Applications: WB (1:200-1000), IHC-P (1:20-100), IHC-F (1:100-500), IF

Reactivity: Human, Mouse

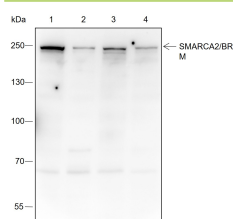
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

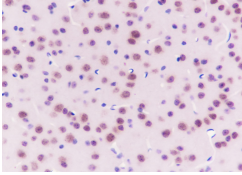
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: A transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. SMARCA2 / BRM belongs to the SNF2/RAD54 helicase family, is a homologue of the *Saccharomyces cerevisiae* SWI2/SNF2 and *Drosophila* brahma proteins. It contains a methyl lysine containing bromo domain and an HSA domain. The yeast protein SNF2, also known as SWI2, is involved in transcriptional activation of numerous genes. It contains a domain that is highly conserved among several known helicases and is required for transcriptional activity. SNF2/SWI2 is highly homologous to the *Drosophila* protein 'brahma' (brm). Although the 2 proteins show nuclear localization during interphase, they are excluded from the condensed chromosomes during mitosis. They found that the level of BRM, but not BRG1, was strongly reduced during mitosis. Phosphorylation of hbrm and BRG1 did not disrupt their association with SNF5 but correlated with a decreased affinity for the nuclear structure in early M phase.

VALIDATION IMAGES



Blocking buffer: 5% NFDN/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: HeLa, 2: 293T, 3: MCF-7, 4: A549 Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 181 kDa Observed MW: 200 kDa



Tissue: Mouse cerebrum Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60621R