SMRC2 蛋白抗体

产品货号： mlR12643

英文名称： SMRC2

中文名称： SMRC2 蛋白抗体

别　　名： BAF 170; BAF170; BRG1 associated factor 170; BRG1-associated factor 170; Chromatin remodeling complex BAF170 subunit; CRACC 2; CRACC2; Mammalian chromatin remodeling complex BRG1 associated factor 170; Rsc 8; Rsc8; SMARCC 2; SMARCC2; SMRC2_HUMAN; SWI/SNF complex 170 kDa subunit; SWI/SNF complex subunit SMARCC2; SWI/SNF related matrix associated actin dependent regulator of chromatin c2; SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily c member 2; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 2; SWI3 like protein.

研究领域： 细胞生物　神经生物学　干细胞　转录调节因子　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 133kDa

细胞定位： 细胞浆

mlbio 酶联生物
Good elisakit producers

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SMRC2:351-450/1214

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and contains a predicted leucine zipper motif typical of many transcription factors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Can stimulate the ATPase activity of the catalytic subunit of these complexes. May be required for CoREST dependent repression of neuronal specific gene promoters in non-neuronal cells. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural

stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitously expressed.

Similarity:

Belongs to the SMARCC family.

Contains 1 SANT domain.

Contains 1 SWIRM domain.

SWISS:

Q8TAQ2

Gene ID:

6601

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.