SWI/SNF 相关基质关联肌动蛋白依赖染色质调控因子亚家族 D1 抗体

产品货号： mlR19925

英文名称： SMARCD1

中文名称： SWI/SNF 相关基质关联肌动蛋白依赖染色质调控因子亚家族 D1 抗体

别　　名： 60 kDa BRG-1/Brm-associated factor subunit A; 60 kDa BRG1/Brm associated factor subunit A; BAF60A; BRG1 associated factor 60A; BRG1-associated factor 60A; Chromatin remodeling complex BAF60A subunit; CRACD1; Mammalian chromatin remodeling complex BRG1 associated factor 60A; Rsc6p; SMARCD1; SMRD1; SMRD1_HUMAN; SWI/SNF complex 60 kDa subunit A; SWI/SNF complex 60 kDa subunit; SWI/SNF related matrix associated actin dependent regulator of chromatin d1; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1; Swp73 like protein.

研究领域： 细胞生物　染色质和核信号　神经生物学　干细胞　细胞周期蛋白　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, Dog, Pig, Cow, 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： 58kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SMARCD1:201-300/515

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 has sequence similarity to the yeast Swp73 protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

Involved in chromatin remodeling. 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 (By similarity). Has a strong influence on the Vitamin D-mediated transcriptional activity from an enhancer Vitamin D receptor element (VDRE). May be a link between mammalian SWI-SNF-like chromatin remodeling complexes and the vitamin D receptor (VDR) heterodimer. Mediates critical interactions between nuclear receptors and the BRG1/SMARCA4 chromatin-remodeling complex for transactivation. 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.

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed in all tissues tested, including brain, heart, kidney, liver, lung, muscle, pancreas and placenta.

Similarity:

Belongs to the SMARCD family.

Contains 1 SWIB domain.

SWISS:

Q96GM5

Gene ID:

6602

Important Note:

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