抑癌基因结合蛋白 ARID1B 抗体

产品货号： mlR12520

英文名称： ARID1B

中文名称： 抑癌基因结合蛋白 ARID1B 抗体

别　　名： 6A3 5; ARID 1B; ARID domain containing protein 1B; AT rich interactive domain 1B (SWI1 like); AT rich interactive domain 1B; AT rich interactive domain containing protein 1B; BAF 250b; BAF250b; BRG1 associated factor 250b; BRG1 binding protein; BRG1 binding protein ELD/OSA1; BRG1 binding protein hELD/OSA1; BRIGHT; DAN 15; DAN15; Eld (eyelid)/Osa protein; ELD/OSA1; hELD/OSA1; hOsa 2; hOsa2; KIAA1235; OSA 2; Osa homolog 2; OSA2; OTTHUMP00000040115; p250R; RP11 419L10.1.

研究领域： 细胞生物　结合蛋白　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Cow, Sheep,

产品应用： WB=1:500-2000 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： 236kDa

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 ARID1B:1501-1600/2236

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 SWI-SNF complex is involved in the activation of transcription via the remodeling of nucleosome structure in an ATP-dependent manner. Brm (also designated SNF2 alpha) and Brg-1 (also designated SNF2 beta) are the ATPase subunits of the mammalian SWI-SNF complex. Brm, Brg-1, Ini1 (integrase interactor 1, also designated SNF5), BAF155 (also designated SRG3) and BAF170 are thought to comprise the functional core of the SWI-SNF complex. Addition of Ini1, BAF155 and BAF170 to Brg-1 appears to increase remodeling activity. Other complex subunits, such as BAF250 (p270 or ARID 1A) and BAF250b(ARID1B), are thought to play regulatory roles.

Function:

ARID1B (AT-rich interactive domain-containing protein 1B) is a component of SWI/SNF chromatin remodeling complexes involved in transcriptional activation and repression of select genes by chromatin remodeling. It binds DNA non-specifically and alters DNA-nucleosome topology.

Subunit:

Component of SWI/SNF chromatin remodeling complexes, in some of which it can be mutually exclusive with ARID1A/BAF250A. Component of the BAF (SWI/SNF-A) complex, which includes at least actin (ACTB), ARID1A, ARID1B/BAF250, SMARCA2, SMARCA4/BRG1/BAF190A, ACTL6A/BAF53, ACTL6B/BAF53B, SMARCE1/BAF57, SMARCC1/BAF155, SMARCC2/BAF170, SMARCB1/SNF5/INI1, and one or more of SMARCD1/BAF60A,

SMARCD2/BAF60B, or SMARCD3/BAF60C. In muscle cells, the BAF complex also contains DPF3. Component of the SWI/SNF-B (PBAF) complex, at least composed of SMARCA4/BRG1/BAF190A, SMARCB1/BAF47, ACTL6A/BAF53A or ACTL6B/BAF53B, SMARCE1/BAF57, SMARCD1/BAF60A, SMARCD2/BAF60B, perhaps SMARCD3/BAF60C, SMARCC1/BAF155, SMARCC2/BAF170, PB1/BAF180, ARID2/BAF200, ARID1A/BAF250A or ARID1B/BAF250B and actin. Component of a SWI/SNF-like EPAFb complex, at least composed of SMARCA4/BRG1/BAF190A, SMARCB1/BAF47, ACTL6A/BAF53A, SMARCE1/BAF57, SMARCD1/BAF60A, SMARCD2/BAF60B, SMARCC1/BAF155, SMARCC2/BAF170, ARID1B/BAF250B, MLLT1/ENL and actin. Component of a SWI/SNF-like complex containing ARID1A/BAF250A and ARID1B/BAF250B. Interacts through its C-terminus with SMARCA2/BRM/BAF190B and SMARCA4/BRG1/BAF190A. Interacts with SMARCC1/BAF155. Component of neural progenitors-specific chromatin remodeling complex (npBAF complex) composed of at least, ARID1A/BAF250A or ARID1B/BAF250B, SMARCD1/BAF60A, SMARCD3/BAF60C, SMARCA2/BRM/BAF190B, SMARCA4/BRG1/BAF190A, SMARCB1/BAF47, SMARCC1/BAF155, SMARCE1/BAF57, SMARCC2/BAF170, PHF10/BAF45A, ACTL6A/BAF53A and actin. Component of neuron-specific chromatin remodeling complex (nBAF complex) composed of at least, ARID1A/BAF250A or ARID1B/BAF250B, SMARCD1/BAF60A, SMARCD3/BAF60C, SMARCA2/BRM/BAF190B, SMARCA4/BRG1/BAF190A, SMARCB1/BAF47, SMARCC1/BAF155, SMARCE1/BAF57, SMARCC2/BAF170, DPF1/BAF45B, DPF3/BAF45C, ACTL6B/BAF53B and actin (By similarity).

Subcellular Location:

Nuclear.

Tissue Specificity:

Widely expressed with high levels in heart, skeletal muscle and kidney.

DISEASE:

Defects in ARID1B are the cause of mental retardation autosomal dominant type 12 (MRD12) [MIM:614562]. A disorder characterized by significantly below average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. MRD12 patients present with moderate to severe psychomotor retardation, and most show evidence of muscular hypotonia. In many patients, expressive speech is more severely affected than receptive function. Additional common findings include short stature, abnormal head shape and low-set, posteriorly rotated, and abnormally shaped ears, downslanting palpebral fissures, a bulbous nasal tip, a thin upper lip, minor teeth anomalies, and brachydactyly

or single palmar creases. Autistic features are uncommon.

Similarity:

Contains 1 ARID domain.

SWISS:

Q8NFD5

Gene ID:

57492

Important Note:

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

产品图片