

## 染色体相关蛋白 CAP 抗体

产品货号： mlR9759

英文名称： CAP

中文名称： 染色体相关蛋白 CAP 抗体

别名： Brd4; BRD4\_HUMAN; bromodomain containing protein 4; Bromodomain-containing protein 4; CAP; chromosome associated protein; HUNK1; Protein HUNK1.

研究领域： 肿瘤 免疫学 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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：152kDa

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 Brd4/CAP:65-160/1362

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 background :**

Brd4 belongs to the BET family, a group of structurally related proteins containing two bromodomains. Through these two domains, Brd4 associates with mitotic chromosomes and its expression correlates with cell growth. Expression of Brd4 inhibits cell cycle progression from G(1) to S, due to binding to the largest subunit of replication factor C (RFC) to prevent DNA elongation. Altered Brd4 function correlates with poorly differentiated carcinoma, with aggressive phenotype and a highly lethal outcome.

**Function:**

Plays a role in a process governing chromosomal dynamics during mitosis (By similarity).

**Subunit:**

Associated with chromosomes during mitosis. Interacts with bovine papillomavirus type 1 regulatory protein E2.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Ubiquitously expressed.

**DISEASE:**

Note=A chromosomal aberration involving BRD4 is found in a rare, aggressive, and lethal carcinoma arising in midline organs of young people. Translocation t(15;19)(q14;p13) with NUT which produces a BRD4-NUT fusion protein.

**Similarity:**

Contains 2 bromo domains.

**SWISS:**

Q01518

**Gene ID:**

10487

**Important Note:**

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