

3 号染色体开放阅读框 15 抗体

产品货号： mlR9823

英文名称： C3orf15

中文名称： 3 号染色体开放阅读框 15 抗体

别名： AAT 1; AAT-1; AAT1; AAT1 alpha; AAT1_HUMAN; AAT1alpha; AMY 1 associating protein expressed in testis 1; AMY-1-associating protein expressed in testis 1; Chromosome 3 open reading frame 15; MYCBP binding protein.

研究领域： 细胞生物 免疫学 细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 IEM=1:20-200 IGS=1:20-200 GICA=1:20-200 （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： 71kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human AAT1/C3orf15:131-230/603

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 c-Myc proto-oncogene plays a significant role in cell proliferation, differentiation, transformation and apoptosis. A novel c-Myc binding protein, MYCBP (also designated AMY-1), binds to the transactivation domain of c-Myc and stimulates the activation of E-box-dependent transcription. MYCBP translocates from the cytoplasm to the nucleus during S phase when increased expression of c-Myc occurs. MYCBP and AAT-1 (AMY-1-associating protein expressed in testis 1) have been shown to associate with AKAP 149 and AKAP 84 in mitochondria of somatic cells and sperm, which suggests a role for MYCBP and AAT-1 in spermatogenesis. Expression of the AAT-1 gene is regulated by two different promoters, which result in various isoforms. One promoter generates expression of the AAT-1, AAT-1 α , AAT-1 β and AAT-1 γ isoforms, which are specifically expressed in testis, while the other promoter generates AAT-1L, AAT-1M and AAT-1S, which are differentially expressed.

Function:

Isoform 4 may play a role in spermatogenesis.

Subunit:

Interacts with MYCBP and AKAP1. Isoform 4 is part of a complex containing MYCBP, AKAP1 and PRKAR2B. Isoform 3 does not interact with MYCBP.

Subcellular Location:

Cytoplasm. Mitochondrion. Isoform 4 is found in the mitochondria and localized in the neck of the sperm.

Tissue Specificity:

Isoform 1 is strongly expressed in the liver. Isoform 4 is widely expressed, but strongly expressed in all spermatogenesis-related tissues, including the testis, the epithelium of cauda and the corpus epididymis. Isoform 4 is present in the spermatid and mature sperm. Isoform 4 is also expressed in Leydig cells. Isoform 3 is expressed in the testis.

Similarity:

Isoform 4 is phosphorylated by PKA.

SWISS:

Q7Z4T9

Gene ID:

89876

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

