

## 真核翻译起始因子 2C1 抗体

产品货号： mlR7737

英文名称： EIF2C

中文名称： 真核翻译起始因子 2C1 抗体

别名： Argonaute 1; Argonaute-1, isoform A; dAgo1; EIF 2C 1; EIF2C 1; EIF2C; EIF2C1; Eukaryotic translation initiation factor 2C 1; GERP95; Putative RNA binding protein Q99; Putative RNA-binding protein Q99; Q99; AGO1\_HUMAN.

研究领域： 细胞生物 染色质和核信号 信号转导 细胞周期蛋白 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Pig, Cow, Horse, Fruit Fly,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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：94kDa

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 EIF2C1/Ago1:431-530/984

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：Ago1 belongs to the argonaute family and contains 1 PAZ and 1 Piwi domain. It is required for G1 arrest and mating in response to nitrogen starvation. It is also known as cell cycle control protein through it's

regulation of cytokinesis and cell cycle checkpoints occurs downstream of dcr1. It is required, indirectly, for regulated hyperphosphorylation of cdc2. Ago 1 also has a role in the RNA interference (RNAi) pathway which is important for heterochromatin formation and accurate chromosome segregation. It has been shown to be non-essential for siRNA-directed target RNA cleavage but is needed for the production of mature miRNA that affects miRNA-directed RNA cleavage.

**Function:**

Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) or short interfering RNAs (siRNAs), and represses the translation of mRNAs which are complementary to them. Lacks endonuclease activity and does not appear to cleave target mRNAs. Also required for transcriptional gene silencing (TGS) of promoter regions which are complementary to bound short antigenic RNAs (agRNAs).

**Subunit:**

Interacts with DDB1, DDX5, DDX6, DHX30, DHX36, DDX47, DICER1, EIF2C2/AGO2, ELAVL1, HNRNPF, IGF2BP1, ILF3, IMP8, MATR3, MOV10, PABPC1, PRMT5, RBM4, SART3, TNRC6B, UPF1 and YBX1. Associates with polysomes and messenger ribonucleoproteins (mNRPs). Interacts with LIMD1, WTIP and AJUBA.

**Subcellular Location:**

Cytoplasm, P-body.

**Similarity:**

Belongs to the argonaute family. Ago subfamily.

Contains 1 PAZ domain.

Contains 1 Piwi domain.

**SWISS:**

Q9UL18.

**Gene ID:**

26523

**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：**

