

# 细胞周期 G2/M 期快速诱导蛋白 SPDYA 抗体

产品货号： mlR7901

英文名称： SPDYA

中文名称： 细胞周期 G2/M 期快速诱导蛋白 SPDYA 抗体

别名： hSpy/Ringo A; Rapid inducer of G2/M progression in oocytes A; RINGO A; RINGO3; SPDY1; Speedy A; Speedy homolog 1 (Drosophila); Speedy homolog A; Speedy homolog A (Xenopus laevis); Speedy-1; SPY1; MGC110856; MGC57218; OTTHUMP00000082662; OTTHUMP00000082663; OTTHUMP00000082664.

研究领域： 细胞生物 细胞周期蛋白 激酶和磷酸酶 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,

产品应用： WB=1:500-2000 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：34kDa

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 SPDYA:98-180/313

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：** SPDYA (speedy homolog A (Drosophila)) regulates the G1/S phase transition of the cell cycle by binding and activating CDC2, CDK2 and CDKN1B/KIP1. SPDYA can activate CDK2 without promoting CDK2 phosphorylation. SPDYA mediates cell survival during the DNA damage process through activation of CDK2.

**Function:**

Regulates the G1/S phase transition of the cell cycle by binding and activating CDK1, CDK2 and CDKN1B/KIP1. Can activate CDK2 without promoting CDK2 phosphorylation. Mediates cell survival during the DNA damage process through activation of CDK2.

**Subunit:**

Interacts with CDK1, CDK2 and CDKN1B/KIP1. Found in a complex with both CDK2 and CDKN1B/KIP1.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Highly expressed in testis. Expressed at a low level in wide range of tissues including bone marrow, brain, heart, kidney, colon, liver, placenta, spleen, skeletal muscle, salivary gland, thyroid gland, thymus, trachea and uterus. Expressed at a slightly higher level in adrenal gland, cerebellum, small intestine, lung, prostate and trachea. Expression is cell cycle-dependent, being restricted to cells in G1/S phase.

**Similarity:**

Belongs to the Speedy/Ringo family.

**SWISS:**

Q5MJ70

**Gene ID:**

245711

**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

