周期素依赖性激酶 3 抗体

产品货号： mlR1680

英文名称： CDK3

中文名称： 周期素依赖性激酶 3 抗体

别　　名： Cdk 3; Cell division kinase 3; Cell division protein kinase 3; Cyclin dependent kinase 3; p36; Cdk3; CDK3_HUMAN; CDKN3; Cell division protein kinase 3; Cyclin dependent kinase 3; Cyclin-dependent kinase 3; OTTHUMP00000206828; p36.

研究领域： 细胞生物　信号转导　细胞周期蛋白　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

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

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 CDK3:101-200/305

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： This gene encodes a member of the cyclin-dependent protein kinase family. The protein promotes entry into S phase, in part by activating members of the E2F family of transcription factors. The protein also associates with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. [provided by RefSeq, Jul 2008]

Function:

Serine/threonine-protein kinase that plays a critical role in the control of the eukaryotic cell cycle; involved in G0-G1 and G1-S cell cycle transitions. Interacts with CCNC/cyclin-C during interphase. Phosphorylates histone H1, ATF1, RB1 and CABLES1. ATF1 phosphorylation triggers ATF1 transactivation and transcriptional activities, and promotes cell proliferation and transformation. CDK3/cyclin-C mediated RB1 phosphorylation is required for G0-G1 transition. Promotes G1-S transition probably by contributing to the activation of E2F1, E2F2 and E2F3 in a RB1-independent manner.

Subunit:

Interacts with CABLES1 and CABLES2. Interacts with ATF1. Binding to CCNC/cyclin-C promotes RB1 phosphorylation.

Tissue Specificity:

Expressed in cancer cell lines and glioblastoma tissue.

Similarity:

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

Contains 1 protein kinase domain.

SWISS:

Q00526

Gene ID:

1018

Important Note:

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