细胞分裂周期蛋白 7 抗体

产品货号： mlR5148

英文名称： Cdc7

中文名称： 细胞分裂周期蛋白 7 抗体

别　　名： Cdc 7; Cdc-7; CDC7 Kinase; CDC7 cell division cycle 7; CDC7 cell division cycle 7 like 1; CDC7 L1; Cdc7 like 1; CDC7 related kinase; CDC7L 1; CDC7L1; Cell division cycle 7 homolog; Cell division cycle 7 kinase; Cell division cycle 7 like protein 1; Cell division cycle 7 related protein kinase; HsCDC 7; HsCDC7; Hsk 1; Hsk1; HuCDC 7; CDC7_HUMAN.

研究领域： 免疫学　信号转导　细胞周期蛋白　转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=1μg/Test 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： 64kDa

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 Cdc7:151-250/574

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:

DNA replication in eukaryotic cells is dependent on the phosphorylation of the pre-replicative complex (preRC) at the origin of replication. Two complexes of proteins mediate this event, the cyclin dependent kinase (CDK) complex, and the Cdc7 kinase-ASK complex. The activity of Cdc7 kinase oscillates during cell cycle. The major targets of Cdc7 kinase are proteins that belong to the MCM complex (mini chromosome maintenance proteins). Cdc7 kinase was also found to be important in meiosis, checkpoint responses, maintenance of chromosome structure, and repair.

Function:

Seems to phosphorylate critical substrates that regulatethe G1/S phase transition and/or DNA replication. Canphosphorylates MCM2 and MCM3.

Subunit:

Forms a complex with either DBF4/DBF4A or DBF4B, leadingto the activation of the kinase activity.

Subcellular Location:

Nucleus.

Similarity:

elongs to the protein kinase superfamily. Ser/Thrprotein kinase family. CDC7 subfamily.

Contains 1 protein kinase domain.

SWISS:

O00311

Gene ID:

8317

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