细胞分裂周期相关蛋白 1 抗体

产品货号： mlR7714

英文名称： CDCA1

中文名称： 细胞分裂周期相关蛋白 1 抗体

别　　名： Cancer/testis antigen 106; CDCA 1; CDCA1; Cell division cycle associated 1; Cell division cycle associated protein 1; Cell division cycle-associated protein 1; CT106; hNuf 2; hNuf2; hNuf2R; hsNuf2; Kinetochore protein Nuf2; Nuf 2; NUF2; NUF2 NDC80 kinetochore complex component; NUF2 NDC80 kinetochore complex component homolog; NUF2_HUMAN; NUF2R; hide.

研究领域： 细胞生物　细胞周期蛋白　细胞分化

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 Flow-Cyt=1ug/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： 51kDa

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 CDCA1:201-300/464

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 ： Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore.

Function:

Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore.

Subunit:

Component of the NDC80 complex, which consists of NDC80/HEC1, CDCA1, SPBC24 and SPBC25. The NDC80 complex is formed by two subcomplexes composed of NDC80/HEC1-CDCA1 and SPBC24-SPBC25. Each subcomplex is formed by parallel interactions through the coiled-coil domains of individual subunits. Formation of a tetrameric complex is mediated by interactions between the C-terminal regions of both subunits of the NDC80/HEC1-CDCA1 subcomplex and the N-terminal regions of both subunits of the SPBC24-SPBC25 complex. The tetrameric NDC80 complex has an elongated rod-like structure with globular domains at either end. May interact with AURKB/Aurora-B. Directly interacts with CENPE; this interaction determines CENPE kinetochore localization.

Subcellular Location:

Nucleus. Chromosome, centromere, kinetochore. Localizes to kinetochores from late prophase to anaphase. Localizes specifically to the outer plate of the kinetochore.

Post-translational modifications:

Can be phosphorylated by AURKA and AURKB.

Similarity:

Belongs to the NUF2 family.

SWISS:

Q9BZD4

Gene ID:

83540

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