Ninein 样蛋白抗体

产品货号： mlR19247

英文名称： NINL

中文名称： Ninein 样蛋白抗体

别　　名： 4930519N13Rik; dJ691N24.1; Gm1004,; Gm1634; mKIAA0980; Ninein like; Ninein-like protein; NINL; NINL_HUMAN; Nlp; RGD1306152; RP23-193L22.3; RP4-691N24.1.

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,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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： 156kDa

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 NINL:401-500/1382

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 癈 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 癈. 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 癈.

PubMed： PubMed

产品介绍： NINL is a 1,382 amino acid protein that localizes to both the cytoplasm and the centrosome and contains four EF-hand domains. Interacting with ?Tubulin, NLP is involved in microtubule organization in interphase cells and, when overexpressed, causes lysosomal dispersion and interferes with mitotic spindle assembly. NLP is subject to post-translational phosphorylation by Plk, an event which disrupts the association of NLP with centrosomes.

Function:

Involved in the microtubule organization in interphase cells. Overexpression induces the fragmentation of the Golgi, and causes lysosomes to disperse toward the cell periphery; it also interferes with mitotic spindle assembly. May play a role in ovarian carcinogenesis

Subunit:

nteracts with gamma-tubulin and TUBGCP4. Interacts with anaphase promoting complex/cyclosome (APC/C). Interacts with CDC20 and FZR1. Isoform 2 interacts with LCA5 and USH2A.

Subcellular Location:

Cytoplasm > cytoskeleton > centrosome. Cytoplasm. In interphase cells, NINL is transported to the centrosomes

by the dynein-dynactin motor complex. During centrosome maturation, PLK1 directly phosphorylates NINL resulting in its release into the cytoplasm.

Tissue Specificity:

Expressed in KYSE150 esophageal carcinoma, HeLa cervical carcinoma and U2OS osteosarcoma cells. Expression is regulated in a cell cycle-dependent manner and peaks during G2/M phase (at protein level). Expressed in fetal heart, skeletal muscle, liver, lung and cochlea, and in adult brain, testis, kidney and retina.

Post-translational modifications:

Phosphorylated by PLK1 which disrupts its centrosome association and interaction with gamma-tubulin.

Ubiquitinated by the APC/C complex leading to its degradation.

Similarity:

Contains 4 EF-hand domains.

SWISS:

Q9Y2I6

Gene ID:

22981

Important Note:

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