核蛋白 p8 抗体

产品货号： mlR7106

英文名称： NUPR1

中文名称： 核蛋白 p8 抗体

别　　名： Candidate of metastasis 1; COM1; Nuclear protein 1; NUPR1; NUPR1_HUMAN; p8 protein; Protein p8.

研究领域： 细胞生物　染色质和核信号　细胞周期蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： 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： 9kDa

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 NUPR1/p8:31-82/82

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： Could participate in the response to proapoptotic stimuli and promotes cellular growth in a way that helps the tissue counteract diverse injuries. May contribute to the metastatic phenotype.Tissue specificity:

Highly expressed in pancreas.

Function:

Chromatin-binding protein that converts stress signals into a program of gene expression that empowers cells with resistance to the stress induced by a change in their microenvironment. Interacts with MSL1 and inhibits its activity on histone H4 'Lys-16' acetylation (H4K16ac). Binds the RELB promoter and activates its transcription, leading to the transactivation of IER3. The NUPR1/RELB/IER3 survival pathway may provide pancreatic ductal adenocarcinoma with remarkable resistance to cell stress, such as starvation or gemcitabine treatment. In breast cancer cells, NUPR1 overexpression leads to the activation of PI3K/AKT signaling pathway, CDKN1A/p21 phosphorylation and relocalization from the nucleus to the cytoplasm, leading to resistance to chemotherapeutic agents, such as doxorubicin.

Subunit:

Monomer. Directly interacts with MSL1 and binds MORF4L1, two components of histone acetyltransferase complex; the interaction with MORF4L1 may be mediated by MSL1.

Subcellular Location:

Nucleus.

Tissue Specificity:

Widely expressed, with high levels in liver, pancreas, prostate, ovary, colon, thyroid, spinal cord, trachea and adrenal gland, moderate levels in heart, placenta, lung, skeletal muscle, kidney, testis, small intestine, stomach and lymph node, and low levels in brain, spleen, thymus and bone marrow. Not detected in peripheral blood leukocytes.

Post-translational modifications:

Phosphorylated in vitro by PKA and CK. Phosphorylation promotes DNA-binding activity.

Similarity:

Belongs to the NUPR family.

SWISS:

O60356

Gene ID:

26471

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