



## NUDT3 蛋白抗体

产品货号 : mlR19519

英文名称 : NUDT3

中文名称 : NUDT3 蛋白抗体

别 名 : Diphosphoinositol polyphosphate phosphohydrolase 1; Diphosphoinositol polyphosphate phosphohydrolase; DIPP 1; DIPP; DIPP-1; DIPP1; Nucleoside diphosphate linked moiety X motif 3; Nucleoside diphosphate-linked moiety X motif 3; Nudix (nucleoside diphosphate linked moiety X) type motif 3; Nudix motif 3; Nudix type motif 3; NUDT 3; Nudt3; NUDT3\_HUMAN; P6-hexaphosphate hydrolase 1.

研究领域 : 细胞生物 信号转导

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Cow,

产品应用 : 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 : 19kDa

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 NUDT3:1-100/172

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 : NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al., 1998 [PubMed 9822604]).[supplied by OMIM, Feb 2011]

#### Function:

Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Acts as a negative regulator of the ERK1/2 pathway. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate.

#### Subcellular Location:

Cytoplasm.

#### Tissue Specificity:



Widely expressed. Expressed at higher level in brain, heart, pancreas and liver. Also expressed in placenta, lung and kidney.

**Similarity:**

Belongs to the Nudix hydrolase family. DIPP subfamily.

Contains 1 nudix hydrolase domain.

**SWISS:**

O95989

**Gene ID:**

11165

**Important Note:**

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