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# NUDT16 Rabbit pAb

货号: **AYP21119**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human,Mouse  |
| 宿主    | Rabbit   |
| 克隆性   | Polyclonal   |
| 预测反应  |  |
| 应用    | WB   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000  |
| 理论分子量 | 17kDa/21kDa/25kDa  |
| 实测分子量 | 21kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated   |
| 阳性对照  | 293T,A-549   |
| 细胞定位  | cytoplasm,nucleolus,nucleoplasm,nucleus  |
| 纯化    | Affinity purification  |

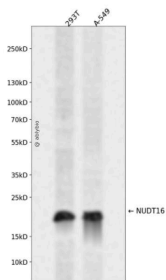
## 抗原信息

|      |  |
|------|--|
| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 60-130 of human NUDT 16 (NP_689608.2). |
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## 靶点信息

|       |  |
|-------|--|
| 研究背景  | RNA-binding and decapping enzyme that catalyzes the cleavage of the cap structure of snoRNAs and mRNAs in a metal-dependent manner. Part of the U8 snoRNP complex that is required for the accumulation of mature 5.8S and 28S rRNA. Has diphosphatase activity and removes m7G and/or m227G caps from U8 snoRNA and leaves a 5' monophosphate on the RNA. Catalyzes also the cleavage of the cap structure on mRNAs. Does not hydrolyze cap analog structures like 7-methylguanosine nucleoside triphosphate (m7GpppG). Also hydrolyzes m7G- and m227G U3-capped RNAs but with less efficiencies. Has broad substrate specificity with manganese or cobalt as cofactor and can act on various RNA species. Binds to the U8 snoRNA; metal is not required for RNA-binding. May play a role in the regulation of snoRNAs and mRNAs degradation. Acts also as a phosphatase; hydrolyzes the non-canonical purine nucleotides inosine diphosphate (IDP) and deoxyinosine diphosphate (dITP) as well as guanosine diphosphate (GDP, deoxyguanosine diphosphate (dGDP, xanthine diphosphate (XDP, inosine triphosphate (ITP and deoxyinosine triphosphate (ITP to their respective monophosphate derivatives and does not distinguish between the deoxy- and ribose for ms. |
| 基因ID  | 131870   |
| 基因名   | NUDT16   |
| Swiss | Q96DE0 ( <a href="https://www.uniprot.org/uniprotkb/Q96DE0/entry">https://www.uniprot.org/uniprotkb/Q96DE0/entry</a> )   |
| 别名    | NUDT16,NUDT16 Rabbit pAb,IDP phosphatase,Inosine diphosphate phosphatase,Nucleoside diphosphate-linked moiety X motif 16,Nudix hydrolase 16,U8 snoRNA-binding protein H29K,m7GpppN-mRNA hydrolase  |

## 产品验证



Western blot analysis of NUDT16 expressed in 293T, A-549 using NUDT16 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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