

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	WB: 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. 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

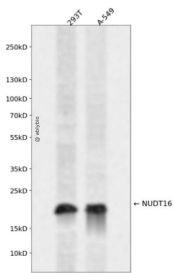
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 60-130 of human NUDT16 (NP_689608.2).
序列	GFVDTQDRSLEDGLNRELREELGEAAAAFRVERTDYRSSHVGS GPRVVAHFYAKRLTLEELLAVEAGATRA

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 hydrolysis 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
别名	NUDT16

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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