



## Rabbit Anti-NUDT16 antibody

SL19512R

<b>Product Name:</b>	NUDT16
<b>Chinese Name:</b>	NUDT16蛋白抗体
<b>Alias:</b>	FLJ31265; FLJ34034; FLJ36248; Nucleoside diphosphate-linked moiety X motif 16; NUD16_HUMAN; Nudix (nucleoside diphosphate linked moiety X) type motif 16; Nudix motif 16; NUDT 16; NUDT16; U8 snoRNA-binding protein H29K; U8 snoRNA-decapping enzyme.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	22kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human NUDT16:51-150/195
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	NUDT16 (Nudix Hydrolase 16) is a Protein Coding gene. Among its related pathways are Metabolism and Purine metabolism (KEGG). GO annotations related to this gene include protein homodimerization activity and hydrolase activity. An important paralog of this gene is NUDT16L1.

**Function:**

RNA-decapping enzyme that binds specifically to U8 snoRNA. 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 m227G caps from U8 snoRNA. Has broad substrate specificity with manganese or cobalt as cofactor and can act on various RNA species (in vitro).

**Subcellular Location:**

Nucleus > nucleolus. Nucleus > nucleoplasm. Predominantly localized in nucleolus, and in a minor proportion in distinct foci in the nucleoplasm.

**Similarity:**

Belongs to the Nudix hydrolase family.  
Contains 1 nudix hydrolase domain.

**SWISS:**

Q96DE0

**Gene ID:**

131870

**Database links:**

[Entrez Gene: 131870](#) Human

[Entrez Gene: 75686](#) Mouse

[Entrez Gene: 363129](#) Rat

[SwissProt: Q96DE0](#) Human

[SwissProt: Q6P3D0](#) Mouse

[SwissProt: B2RYV2](#) Rat

[Unigene: 282050](#) Human

[Unigene: 305810](#) Mouse

**Important Note:**

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