



## Rabbit Anti-NUDT21 antibody

SL8810R

<b>Product Name:</b>	NUDT21
<b>Chinese Name:</b>	剪切和多聚腺苷酸化特异性因子5抗体
<b>Alias:</b>	CFIM 25; CFIM25; Cleavage and polyadenylation specific factor 5 25 kD subunit; Cleavage and polyadenylation specific factor 5 25 kDa; Cleavage and polyadenylation specific factor 5; Cleavage and polyadenylation specificity factor 25 kDa subunit; Cleavage and polyadenylation specificity factor subunit 5; Cleavage factor Im complex 25 kDa subunit; CPSF 25; CPSF 25 kDa subunit; CPSF 5; CPSF25; CPSF5; CPSF5_HUMAN; DKFZp686H1588; Nucleoside diphosphate linked moiety X motif 21; Nucleoside diphosphate-linked moiety X motif 21; Nudix (nucleoside diphosphate linked moiety X) type motif 21; Nudix motif 21; NUDT 21; Nudt21; Pre mRNA cleavage factor Im (25kD); Pre mRNA cleavage factor Im 25 kDa subunit; Pre mRNA cleavage factor Im 25kD subunit; Pre-mRNA cleavage factor Im 25 kDa subunit.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=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>	27kDa
<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 NUDT21:101-200/227
<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>	<p>The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. This gene encodes the 25kD subunit of the protein complex, which is composed of four polypeptides. [provided by RefSeq, Jul 2008]</p> <p><b>Function:</b> Component of the cleavage factor Im (CFIm) complex that plays a key role in pre-mRNA 3'-processing. Involved in association with CPSF6 or CPSF7 in pre-mRNA 3'-end poly(A) site cleavage and poly(A) addition. NUDT21/CPSF5 binds to cleavage and polyadenylation RNA substrates. The homodimer mediates simultaneous sequence-specific recognition of two 5'-UGUA-3' elements within the pre-mRNA. Binds to, but does not hydrolyze mono- and di-adenosine nucleotides. May have a role in mRNA export.</p> <p><b>Subcellular Location:</b> Nucleus. In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles.</p> <p><b>Post-translational modifications:</b> Acetylated mainly by p300/CBP, recruited to the complex by CPSF6. Acetylation decreases interaction with PAPA0. Deacetylated by the class I/II HDACs, HDAC1, HDAC3 and HDAC10, and by the class III HDACs, SIRT1 AND SIRT2.</p> <p><b>Similarity:</b> Belongs to the Nudix hydrolase family. CPSF5 subfamily. Contains 1 nudix hydrolase domain.</p> <p><b>SWISS:</b> O43809</p> <p><b>Gene ID:</b> 11051</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 11051</a> Human</p> <p><a href="#">Entrez Gene: 68219</a> Mouse</p> <p><a href="#">Entrez Gene: 291877</a> Rat</p> <p><a href="#">Entrez Gene: 394092</a> Zebrafish</p>

[Omid: 604978](#) Human

[SwissProt: Q3ZCA2](#) Cow

[SwissProt: O43809](#) Human

[SwissProt: Q9CQF3](#) Mouse

[SwissProt: Q4KM65](#) Rat

[SwissProt: Q7T3C6](#) Zebrafish

[Unigene: 528834](#) Human

[Unigene: 354445](#) Mouse

[Unigene: 432611](#) Mouse

[Unigene: 199052](#) Rat

[Unigene: 80520](#) Zebrafish

**Important Note:**

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

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