



## Rabbit Anti-LCMT2 antibody

SL18191R

<b>Product Name:</b>	LCMT2
<b>Chinese Name:</b>	LCMT2蛋白抗体
<b>Alias:</b>	KIAA0547; LCMT 2; Lcmt2; LCMT2_HUMAN; Leucine carboxyl methyltransferase 2; MGC9534; p21WAF1/CIP1 promoter interacting protein; p21WAF1/CIP1 promoter-interacting protein; PPM2; tRNA Wybutosine synthesizing protein 4; tRNA wybutosine synthesizing protein 4 homolog; tRNA wybutosine-synthesizing protein 4 homolog; tRNA yW synthesizing protein 4; tRNA yW synthesizing protein 4 homolog; tRNA yW-synthesizing protein 4 homolog; TYW4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<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>	76kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human LCMT2:321-420/686
<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>	The protein encoded by this intronless gene belongs to the highly variable methyltransferase superfamily. This gene is the inferred homolog of the Saccharomyces

cerevisiae carboxymethyltransferase gene PPM2 that is essential for the synthesis of the hypermodified guanosine Wybutosine (yW). [provided by RefSeq, Jul 2008]

**Function:**

Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA (By similarity). May methylate the carboxyl group of leucine residues to form alpha-leucine ester residues.

**Similarity:**

Belongs to the methyltransferase superfamily. LCMT family.

**SWISS:**

O60294

**Gene ID:**

9836

**Database links:**

[Entrez Gene: 9836](#) Human

[Entrez Gene: 296098](#) Rat

[Omim: 611246](#) Human

[SwissProt: O60294](#) Human

[SwissProt: Q5XIA3](#) Rat

[Unigene: 200596](#) Human

[Unigene: 533913](#) Human

[Unigene: 741946](#) Human

[Unigene: 17983](#) Rat

**Important Note:**

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