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LCMT2 Rabbit pAb

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Catalog # AP56983

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O60294
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75602
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LCMT2
Epitope Specificity	321-420/686
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	9836
Other Names	tRNA wybutosine-synthesizing protein 4, tRNA yW-synthesizing protein 4, 2.1.1.290, 2.3.1.231, Leucine carboxyl methyltransferase 2, tRNA(Phe) (7-(3-amino-3-(methoxycarbonyl)propyl)wyosine(37)-N)-methoxycarbonyltransferase, tRNA(Phe) (7-(3-amino-3-carboxypropyl)wyosine(37)-O)-methyltransferase, LCMT2, KIAA0547, TYW4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	LCMT2 (HGNC:17558)

Synonyms	KIAA0547, TYW4
Function	S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway (Probable). Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA (Probable).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q08282}.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.