

LCMT2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56983

Product Information

| | |
|--------------------------------|--|
| Application | IHC-P, IHC-F, IF, ICC |
| Primary Accession | O60294 |
| Reactivity | Rat, Bovine |
| 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. |
| SIMILARITY | Belongs to the methyltransferase superfamily. LCMT family. |
| 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 <i>Saccharomyces cerevisiae</i> 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=1:100-500,IF=1:100-500 |
| Format | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce |
| 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 |
| Synonyms | KIAA0547, TYW4 |
| 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. |

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