



## LCMT2 mouse mAb

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                  | YP-mAb-11912                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applications                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name                   | LCMT2 KIAA0547 TYW4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen                   | Synthesized peptide derived from human LCMT2 AA range: 298-348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity                 | This antibody detects endogenous levels of LCMT2 at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Formulation                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purification                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Stability           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms                    | LCMT2;LCMT2 KIAA0547 TYW4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Observed Band               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Calculated Molecular Weight |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cell Pathway                | cytoplasm,cytosol,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tissue Specificity          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function                    | 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., pathway:tRNA modification; wybutosine-tRNA(Phe) biosynthesis., similarity:Belongs to the methyltransferase superfamily. LCMT family., subunit:Interacts with RNF144B/IBRDC2., |
| Background                  | 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],

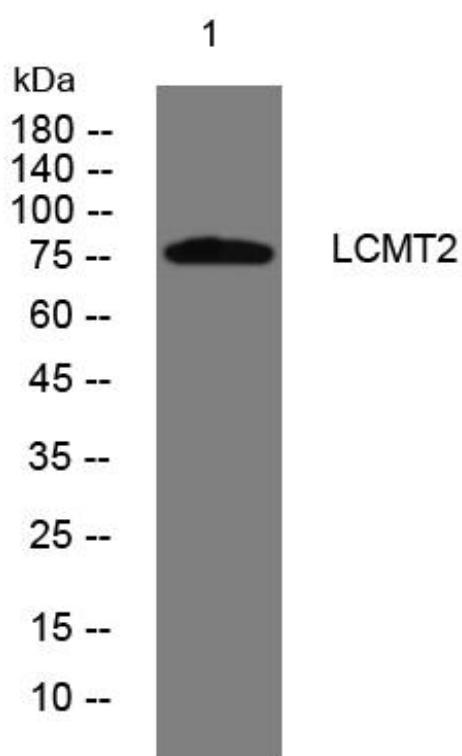
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using LCMT2 mouse mAb