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## Datasheet for ABIN6991543 **anti-LCMT2 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	LCMT2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCMT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	TYW4 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human TYW4. The immunogen is located within the first 50 amino acids of TYW4.
Isotype:	IgG
Specificity:	TYW4 antibody is predicted to not cross-react with other TYW protein family members. At least two isoforms of TYW4 are known to exist, this antibody will detect only the long isoform.
Purification:	TYW4 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	LCMT2
Alternative Name:	TYW4 ( <a href="#">LCMT2 Products</a> )

## Target Details

**Background:** TYW4 Antibody: TYW4 is an enzyme that participates in the wybutosine-tRNA (Phe) biosynthesis pathway. Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW4 is involved in a multistep enzymatic reaction that stabilizes codon-anticodon base-pairing during the ribosomal decoding process, thereby ensuring correct translation.

**Gene ID:** 9836

**NCBI Accession:** [NP\\_055608](#)

**UniProt:** [O60294](#)

## Application Details

**Application Notes:** TYW4 antibody can be used for detection of TYW4 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** TYW4 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C, 4 °C

**Storage Comment:** TYW4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.