

Datasheet for ABIN6984351  
**anti-METTL14 antibody (AA 21-120) (Cy5)**



[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | METTL14                                                                                                                        |
| Binding Specificity: | AA 21-120                                                                                                                      |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This METTL14 antibody is conjugated to Cy5                                                                                     |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from mouse Mettl14 |
| Isotype:              | IgG                                                         |
| Cross-Reactivity:     | Human                                                       |
| Predicted Reactivity: | Mouse,Rat,Cow,Pig,Horse,Rabbit                              |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | METTL14                                      |
| Alternative Name: | Mettl14 ( <a href="#">METTL14 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: mKIAA1627, G430022H21 Rik, N6-adenosine-methyltransferase subunit METTL14, Methyltransferase-like protein 14, Mettl14, Kiaa1627</p> <p>Background: N6-methyltransferase that methylates adenosine residues of some mRNAs and acts as a regulator of the circadian clock and differentiation of embryonic stem cells. N6-methyladenosine (m6A), which takes place at the 5'-[AG]GAC-3' consensus sites of some mRNAs, plays a role in the efficiency of mRNA splicing, processing and mRNA stability. M6A regulates the length of the circadian clock: acts as a early pace-setter in the circadian loop (By similarity). M6A also acts as a regulator of mRNA stability: in embryonic stem cells (ESCs), m6A methylation of mRNAs encoding key naive pluripotency-promoting transcripts results in transcript destabilization (PubMed:24394384).</p> |
| Gene ID:    | 210529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt:    | <a href="#">Q3UIK4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Application Details

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only                                                       |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |