



Datasheet for ABIN360193  
**anti-MARS2 antibody (C-Term)**



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2 Images

Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.4 mL   |
| Target:              | MARS2  |
| Binding Specificity: | C-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This MARS2 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

|               |   |
|---------------|---|
| Immunogen:    | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human MARS2. |
| Isotype:      | Ig Fraction   |
| Specificity:  | This antibody recognizes Methionyl tRNA synthetase (MARS2).   |
| Purification: | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS   |

Target Details

|                   |  |
|-------------------|--|
| Target:           | MARS2                                    |
| Alternative Name: | MARS2 ( <a href="#">MARS2 Products</a> ) |

## Target Details

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**Background:** Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNAMet <--> AMP + diphosphate + L-methionyl-tRNAMet. The 3 substrates of this enzyme are ATP, L-methionine, and tRNA(Met), whereas its 3 products are AMP, diphosphate, and L-methionyl-tRNA(Met). This enzyme participates in 3 metabolic pathways: methionine metabolism, selenoamino acid metabolism, and aminoacyl-trna biosynthesis. Synonyms: Methionine-tRNA ligase 2, Methionyl-tRNA synthetase, MtMetRS, mitochondrial

**Gene ID:** 92935, 9606

**UniProt:** [Q96GW9](#)

## Application Details

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**Application Notes:** ELISA: 1/1,000. Western blot: 1/50-1/100. Immunohistochemistry: 1/10-1/50.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS with 0.09 % (W/V) Sodium Azide as preservative.

**Preservative:** Sodium azide

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

**Handling Advice:** Avoid repeated freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

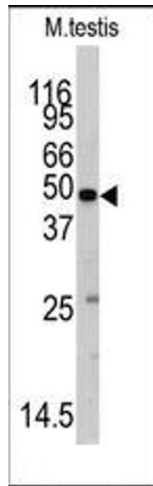


Image 1.

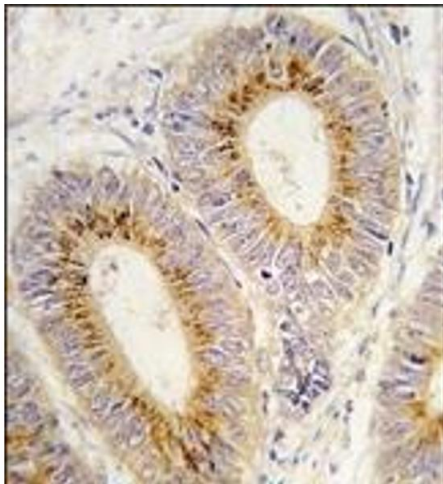


Image 2.