

**Product Name: CARS (9E19) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe07934**

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## Summary

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Production Name</b> | CARS (9E19) Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody             |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,ELISA                               |
| <b>Reactivity</b>      | Human                                  |

## Performance

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                                                                                                                 |
| <b>Modification</b> | Unmodified                                                                                                                                                                                   |
| <b>Isotype</b>      | IgG                                                                                                                                                                                          |
| <b>Clonality</b>    | Monoclonal                                                                                                                                                                                   |
| <b>Form</b>         | Liquid                                                                                                                                                                                       |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                     |
| <b>Buffer</b>       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Purification</b> | Affinity purification                                                                                                                                                                        |

## Immunogen

|                          |              |
|--------------------------|--------------|
| <b>Gene Name</b>         | CARS1        |
| <b>Alternative Names</b> | Cars; CysRS; |
| <b>Gene ID</b>           | 833.0        |
| <b>SwissProt ID</b>      | P49589.      |

## Application

|                         |                 |
|-------------------------|-----------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000 |
| <b>Molecular Weight</b> | 85kDa           |

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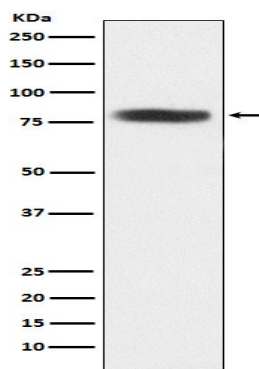
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## Background

Catalytic activity:  $\text{ATP} + \text{L-cysteine} + \text{tRNA(Cys)} = \text{AMP} + \text{diphosphate} + \text{L-cysteinyl-tRNA(Cys)}$ . Catalyzes the ATP-dependent ligation of cysteine to tRNA(Cys).

## Research Area

## Image Data



Western blot analysis of CARS expression in 293T cell lysate.

## Note

For research use only.