

Datasheet for ABIN7449932  
**anti-AARS antibody (AA 275-325)**



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## Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 20 µg                                           |
| Target:              | AARS                                            |
| Binding Specificity: | AA 275-325                                      |
| Reactivity:          | Human, Mouse                                    |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This AARS antibody is un-conjugated             |
| Application:         | Western Blotting (WB), Immunoprecipitation (IP) |

## Product Details

|                       |                                              |
|-----------------------|----------------------------------------------|
| Purpose:              | Rabbit anti-AARS Antibody, Affinity Purified |
| Immunogen:            | between AA 275 and 325                       |
| Isotype:              | IgG                                          |
| Predicted Reactivity: | Rat, Golden hamster, Orangutan               |
| Purification:         | Affinity Purified                            |

## Target Details

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Target:           | AARS                                                                                       |
| Alternative Name: | AARS ( <a href="#">AARS Products</a> )                                                     |
| Background:       | Background: Alanyl-tRNA synthetase, cytoplasmic (AARS) catalyzes the attachment of alanine |

## Target Details

to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). AARS also edits incorrectly charged tRNA(Ala) via its editing domain [taken from the Universal Protein Resource (UniProt) P49588].

|                 |                           |
|-----------------|---------------------------|
| Gene ID:        | 16                        |
| NCBI Accession: | <a href="#">NP_001596</a> |
| UniProt:        | <a href="#">P49588</a>    |

## Application Details

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Application Notes: | IP: 2 - 10 µg/mg lysate<br>WB: 1:2,000 - 1:10,000 |
| Restrictions:      | For Research Use only                             |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 200 µg/mL                                                                                                              |
| Buffer:            | Tris-buffered Saline containing 0.1 % BSA and 0.09 % 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:           | 4 °C                                                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |