

## Rabbit anti-Human RARS Polyclonal Antibody | anti-RARS antibody

RARS Antibody (C-term)

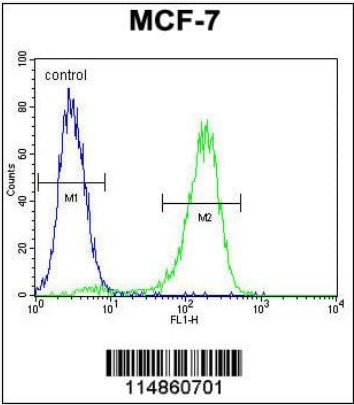
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                    |
|-----------|--------|------------|-------------------------------------------------------------------------------------------------|
| AAA287500 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

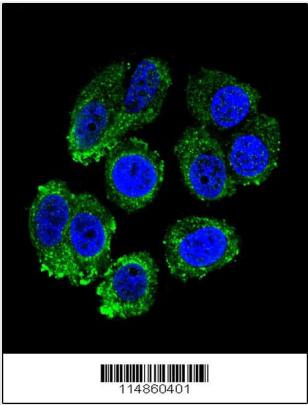
RARS; Polyclonal Antibody; RARS Antibody (C-term); Arginine--tRNA ligase; cytoplasmic; Arginyl-tRNA synthetase; ArgRS; anti-RARS antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This RARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 605-634 amino acids from the C-terminal region of human RARS.                      |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                             | 605-634                                                                                                                                                                                   |
| Sequence Length                                | 588                                                                                                                                                                                       |
| Applicable Applications for anti-RARS antibody | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                  |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



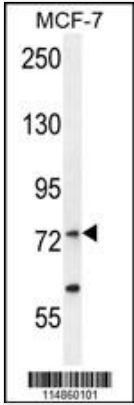
**FCM/FACS (Flow Cytometry)**  
RARS Antibody (C-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of RARS Antibody (C-term) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



**IHC (Immunohiostchemistry)**  
RARS Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RARS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
RARS Antibody (C-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the RARS antibody detected the RARS protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RARS antibody | Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq]. |
| References                                         | Bottoni, A., et al. J. Cell. Physiol. 212(2):293-297(2007)<br>Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :<br>Ling, C., et al. J. Biol. Chem. 280(41):34755-34763(2005)<br>Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003)<br>Kaminska, M., et al. Biochemistry 40(47):14309-14316(2001)                                                                                               |

NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 15149476    |
| NCBI GeneID      | 5917        |
| NCBI Accession # | NP_002878.2 |

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GenBank Nucleotide #        | NM_002887.3                        |
| UniProt Accession #              | P54136; Q53GY4; Q9BWA1; B2RBS9     |
| Molecular Weight                 | 75379                              |
| NCBI Official Full Name          | arginine--tRNA ligase, cytoplasmic |
| NCBI Official Synonym Full Names | arginyl-tRNA synthetase            |
| NCBI Official Symbol             | RARS                               |
| NCBI Official Synonym Symbols    | HLD9; ArgRS; DALRD1                |
| NCBI Protein Information         | arginine--tRNA ligase, cytoplasmic |
| UniProt Protein Name             | Arginine--tRNA ligase, cytoplasmic |
| UniProt Gene Name                | <b>RARS</b>                        |
| UniProt Synonym Gene Names       | ArgRS                              |
| UniProt Entry Name               | SYRC_HUMAN                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rars-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/287500>