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RARS Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11091B

Specification

RARS Antibody (C-term) - Product Information

Application	**WB, IHC-P, IF, FC,E**
Primary Accession	P54136
Other Accession	NP_002878.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**605-634**

RARS Antibody (C-term) - Additional Information

Gene ID 5917

Other Names
Arginine--tRNA ligase, cytoplasmic, Arginyl-tRNA synthetase, ArgRS, RARS

Target/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.

Dilution
WB~~1:1000
IHC-P~~1:50~100
IF~~1:10~50
FC~~1:10~50
E~~Use at an assay dependent concentration.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RARS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RARS Antibody (C-term) - Protein Information

Name RARS1 (HGNC:9870)

Synonyms RARS

Function Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis (PubMed:25288775). Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1 (PubMed:17443684).

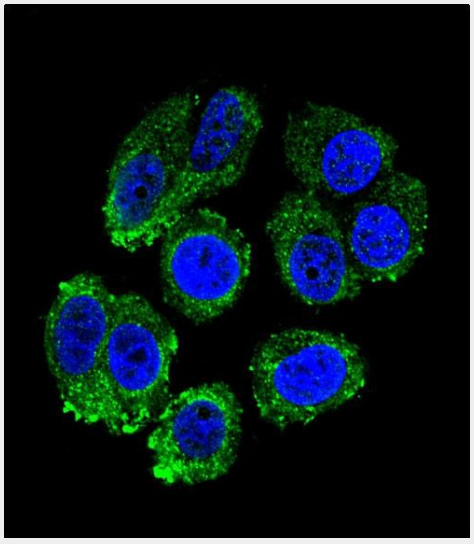
Cellular Location
Cytoplasm. Cytoplasm, cytosol

RARS Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RARS Antibody (C-term) - Images



Confocal immunofluorescent analysis of RARS Antibody (C-term)(Cat#AP11091b) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).

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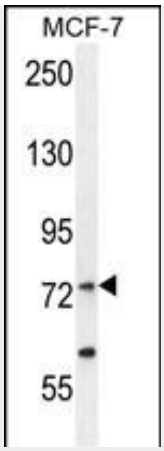
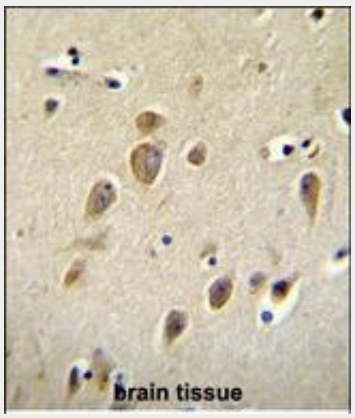
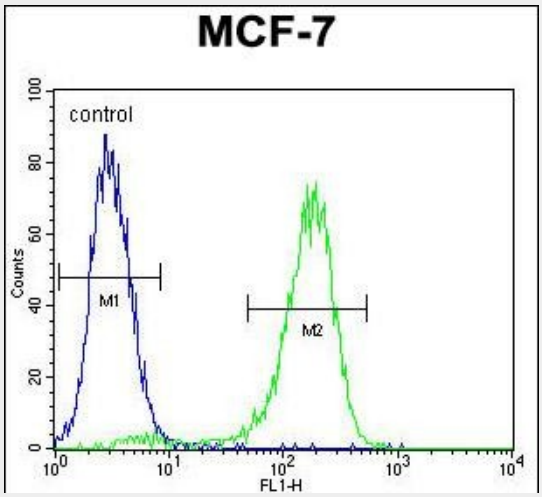


RARS Antibody (C-term) (Cat. #AP11091b) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the RARS antibody detected the RARS protein (arrow).



RARS Antibody (C-term) (Cat. #AP11091b)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.



RARS Antibody (C-term) (Cat. #AP11091b) 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.

RARS Antibody (C-term) - Background

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].

RARS Antibody (C-term) - References

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