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**

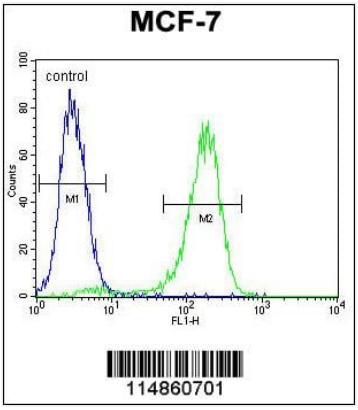
PRODUCT SYNONYMS

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

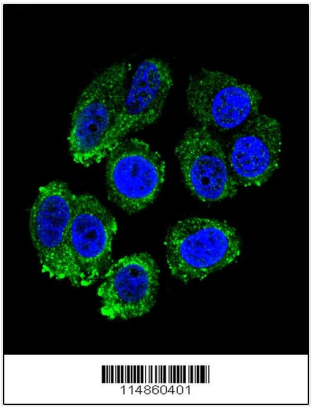
PRODUCT SPECIFICATIONS

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.

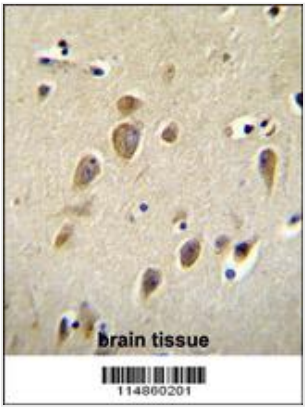
IMAGES



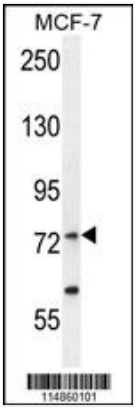
FCM/FACS (Flow Cytometry)
RARS Antibody (C-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Ling, C., et al. J. Biol. Chem. 280(41):34755-34763(2005) Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003) 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	**RARS**
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://www.aaabiotech.com/polyclonal/rars-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/287500