

Rabbit anti-Human RARS Monoclonal Antibody | anti-RARS1 antibody

RARS Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283072	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

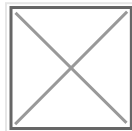
PRODUCT SYNONYMS

RARS; Monoclonal Antibody; RARS Rabbit mAb; HLD9; ArgRS; DALRD1; anti-RARS1 antibody

PRODUCT SPECIFICATIONS

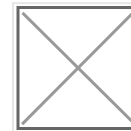
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MDVLVSECSA RLLQEEEEIK SLTAEIDRLK NCGCLGASPN LEQLQEENLK LKYRLNILRK SLQAERNKPT KNMINIISRL QEVFGHAICA AYPDLENPPL LVTPSQQAKF GDYQCNSAMG ISQMLKTKEQ KVNPREIAEN ITKHLPDNEC IEKVEIAGPG FINVHLRKDF VSEQLTSLV NGVQLPALGE NKKVIVDFSS PNIKEMHVG HLRSTIIGES ISRLFEGAGY DVLRLNHVGD WGTQFGMLIA HLQDKFPDYL TVSPPIGDLQ VFYKESKKRF DTEEEFKKRA YQCVLLQGK
Applicable Applications for anti-RARS1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human RARS (NP_002878.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain tissue using RARS Rabbit mAb (AAA283072, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using RARS Rabbit mAb (AAA283072) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from 293T cells using RARS Rabbit mAb (AAA283072) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-RARS1 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.
Product Categories/Family for anti-RARS1 antibody	Epigenetics Nuclear Signaling ; Endocrine Metabolism ; Mitochondrial metabolism ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	15149476
NCBI GeneID	5917
NCBI Accession #	NP_002878
NCBI GenBank Nucleotide #	NM_002887
UniProt Accession #	P54136 ; Q53GY4 ; Q9BWA1 ; B2RBS9
Molecular Weight	Calculated MW: 75kDa Observed MW: 72kDa
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://stage.aaabiotech.com/monoclonal/rars-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283072>