

Rabbit AARS Polyclonal Antibody | anti-AARS antibody

AARS Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA177255	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

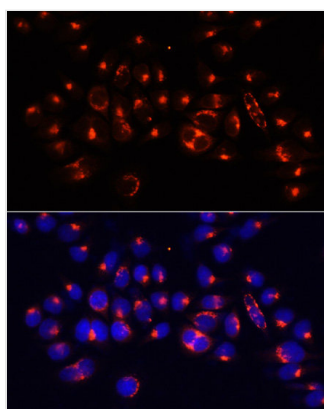
PRODUCT SYNONYMS

AARS; Polyclonal Antibody; AARS Polyclonal Antibody; CMT2N; EIEE29; anti-AARS antibody

PRODUCT SPECIFICATIONS

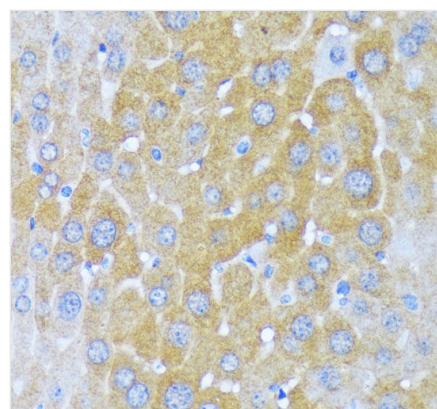
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-AARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide of human AARS (NP_0015962)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



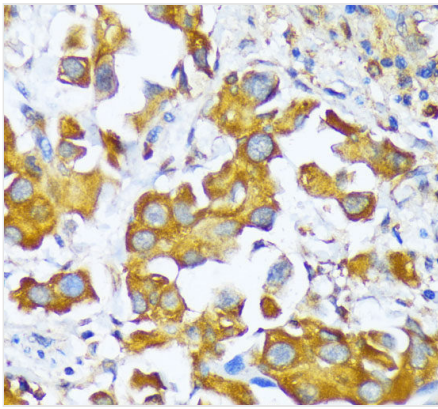
IF (Immunofluorescence)

Immunofluorescence analysis of 293T cells using AARS Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



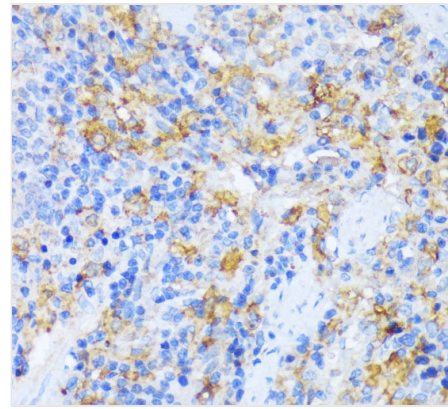
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse liver using AARS Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using AARS Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat spleen using AARS Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-AARS antibody	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthetases, of the class II enzymes. Class II tRNA synthetases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthetases are the enzymes that interpret the RNA code and attach specific amino acids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA, and a second domain which interacts with the rest of the tRNA structure.
Product Categories/Family for anti-AARS antibody	Epigenetics and Nuclear Signaling ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	109148542
NCBI GeneID	16
NCBI Accession #	NP_001596.2
NCBI GenBank Nucleotide #	NM_001605.2
UniProt Accession #	P49588 ; Q53GV7 ; Q96FA0 ; A6NF14 ; B4DR45
Molecular Weight	109,317 Da
NCBI Official Full Name	alanine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	alanyl-tRNA synthetase
NCBI Official Symbol	AARS
NCBI Official Synonym Symbols	CMT2N
NCBI Protein Information	alanine--tRNA ligase, cytoplasmic; AARS; alaRS; alanine tRNA ligase 1, cytoplasmic; alanyl-tRNA synthetase, cytoplasmic; renal carcinoma antigen NY-REN-42
UniProt Protein Name	Alanine--tRNA ligase, cytoplasmic
UniProt Gene Name	AARS
UniProt Entry Name	SYAC_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.