

Rabbit AlaRS (AARS) Polyclonal Antibody | anti-AARS antibody

AlaRS (AARS) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284649	Rabbit	Human (Predicted Reactivity: C Elegans, Drosophila, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

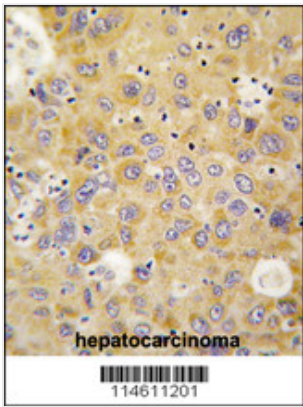
PRODUCT SYNONYMS

AlaRS (AARS); Polyclonal Antibody; AlaRS (AARS) Antibody (N-term); Alanine--tRNA ligase; cytoplasmic {ECO:0000255|HAMAP-Rule:MF_03133}; 6117 {ECO:0000255|HAMAP-Rule:MF_03133}; Alanyl-tRNA synthetase {ECO:0000255|HAMAP-Rule:MF_03133}; AlaRS {ECO:0000255|HAMAP-Rule:MF_03133}; Renal carcinoma antigen NY-REN-42; AARS {ECO:0000255|HAMAP-Rule:MF_03133}; anti-AARS antibody

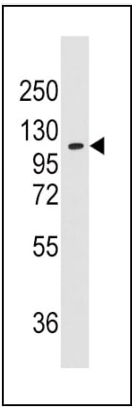
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: C Elegans, Drosophila, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AlaRS (AARS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-91 amino acids from the N-terminal region of human AlaRS (AARS).
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	61-91
Sequence Length	968
Applicable Applications for anti-AARS antibody	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



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AARS antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-AARS Pab in K562 cell line lysates (35ug/lane).AARS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AARS antibody	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases,of the class II enzymes.Class II tRNA synthases 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 synthases are the enzymes that interpret the RNA code and attach specific aminoacids 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.
References	Shiba,K.,Biochemistry 34 (33), 10340-10349 (1995) Ripmaster,T.L.,Proc. Natl. Acad. Sci. U.S.A. 92 (11), 4932-4936 (1995) Sang Lee,J.,Cell 127 (3), 635-648 (2006)

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	106810
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; EIEE29
NCBI Protein Information	alanine--tRNA ligase, cytoplasmic
UniProt Protein Name	Alanine--tRNA ligase, cytoplasmic
UniProt Gene Name	AARS
UniProt Synonym Gene Names	AlaRS
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alars-aars-antibody-immunohistochemistry-western-blot-elisa/284649>