

Rabbit anti-Human AARS2 Polyclonal Antibody | anti-AARS2 antibody

AARS2 Antibody (Center)

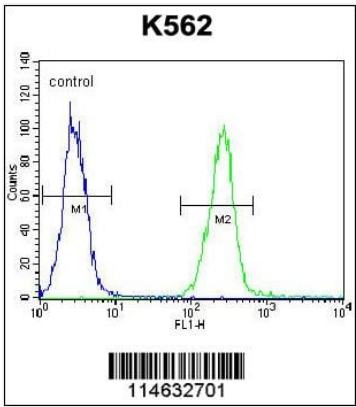
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286973	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

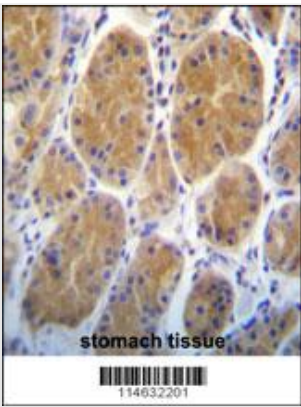
AARS2; Polyclonal Antibody; AARS2 Antibody (Center); Alanine--tRNA ligase; mitochondrial {ECO:0000255|HAMAP-Rule:MF_03133}; 6117 {ECO:0000255|HAMAP-Rule:MF_03133}; Alanyl-tRNA synthetase {ECO:0000255|HAMAP-Rule:MF_03133}; AlaRS {ECO:0000255|HAMAP-Rule:MF_03133}; AARS2 {ECO:0000255|HAMAP-Rule:MF_03133}; anti-AARS2 antibody

PRODUCT SPECIFICATIONS

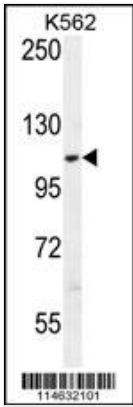
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-394 amino acids from the Central region of human AARS2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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	366-394
Sequence Length	985
Applicable Applications for anti-AARS2 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
AARS2 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
AARS2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AARS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
AARS2 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the AARS2 antibody detected the AARS2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AARS2 antibody	Alanyl-tRNA synthetase 2 (AARS2) is an enzyme that catalyzes the chemical reaction:
	ATP + L-alanine + tRNAAla <---> AMP + diphosphate + L-alanyl-tRNAAla.
	This enzyme participates in alanine and aspartate metabolism and aminoacyl-tRNA biosynthesis.
References	Bonnefond,L.,Biochemistry 44 (12), 4805-4816 (2005) Nakayama,M., Genome Res. 12 (11), 1773-1784 (2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38569417
NCBI GeneID	57505
NCBI Accession #	NP_065796.1
NCBI GenBank Nucleotide #	NM_020745.3
UniProt Accession #	Q5JTZ9; Q8N198; Q96D02; Q9ULF0; A2RRN5

Molecular Weight	107340
NCBI Official Full Name	alanine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	alanyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	AARS2
NCBI Official Synonym Symbols	AARSL; LKENP; COXPD8; MTALARS; MT-ALARS
NCBI Protein Information	alanine--tRNA ligase, mitochondrial
UniProt Protein Name	Alanine--tRNA ligase, mitochondrial
UniProt Gene Name	AARS2
UniProt Synonym Gene Names	AlaRS
UniProt Entry Name	SYAM_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/aars2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286973>