

Rabbit AARS2 Polyclonal Antibody | anti-AARS2 antibody

AARS2 Polyclonal Antibody

CATALOG # AAA169897	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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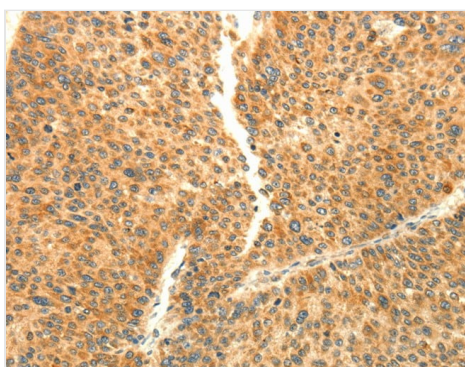
PRODUCT SYNONYMS

AARS2; Polyclonal Antibody; AARS2 Polyclonal Antibody; AARSL; COXPD8; MTALARS; MT-ALARS; anti-AARS2 antibody

PRODUCT SPECIFICATIONS

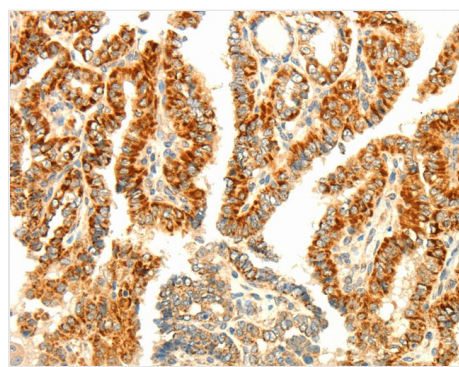
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	2.6mg/mL (varies by lot)
Sequence Length	985
Applicable Applications for anti-AARS2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant protein of human AARS2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



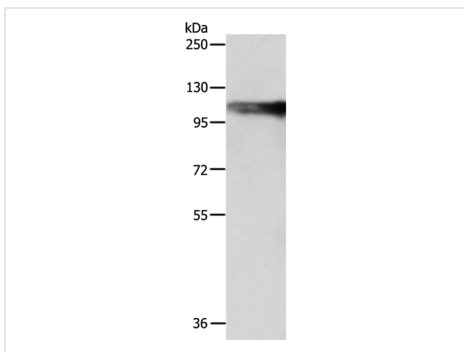
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded Human liver cancer using AARS2 Polyclonal Antibody at dilution of 1:80



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer using AARS2 Polyclonal Antibody at dilution of 1:80



WB (Western Blot)

Western Blot analysis of SP20 cell using AARS2 Polyclonal Antibody at dilution of 1:1200

ADDITIONAL INFORMATION

Related Product Information for anti-AARS2 antibody

The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases play critical roles in mRNA translation by charging tRNAs with their cognate amino acids. The encoded protein is a mitochondrial enzyme that specifically aminoacylates alanyl-tRNA. Mutations in this gene are a cause of combined oxidative phosphorylation deficiency 8. Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain

NCBI AND UNIPROT INFORMATION

NCBI GI #	38569417
NCBI GeneID	57505
NCBI Accession #	NP_065796.1
NCBI GenBank Nucleotide #	NM_020745.3
Molecular Weight	107,340 Da
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; AARS2; alanine tRNA ligase 2, mitochondrial (putative); alanyl-tRNA synthetase 2, mitochondrial (putative); alanyl-tRNA synthetase like; probable alanyl-tRNA synthetase, mitochondrial
UniProt Protein Name	Alanine--tRNA ligase, mitochondrial
UniProt Gene Name	AARS2
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-immunohistochemistry-western-blot-elisa/169897>