

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

AARS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234387	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

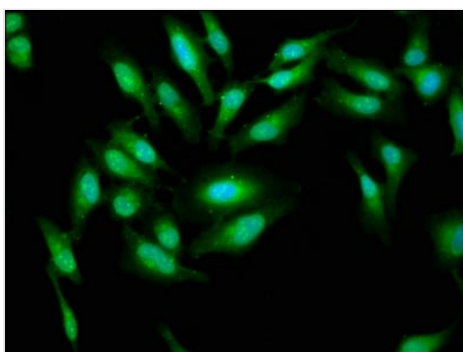
PRODUCT SYNONYMS

AARS; Polyclonal Antibody; AARS Antibody; Alanine--tRNA ligase; cytoplasmic; Alanyl-tRNA synthetase; anti-AARS antibody

PRODUCT SPECIFICATIONS

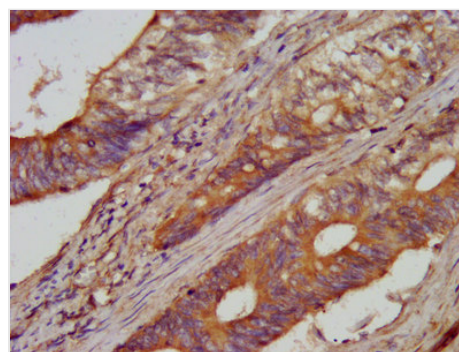
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	968
Applicable Applications for anti-AARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Alanine--tRNA ligase, cytoplasmic protein (164-321AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



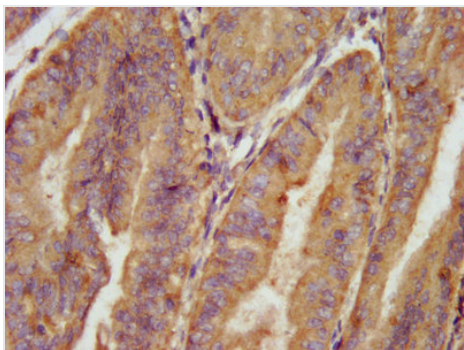
IHC (Immunohistochemistry)

Immunofluorescence staining of HeLa cells with AAA234387 at 1:33, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234387 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234387 diluted at 1:100 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-AARS antibody	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.
Product Categories/Family for anti-AARS antibody	Epigenetics and Nuclear Signaling

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

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/aars-antibody-immunofluorescence-immunohistochemistry-elisa/234387>