

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

AARS Antibody

CATALOG # AAA301542	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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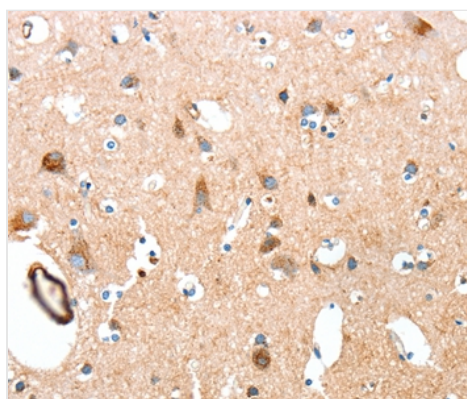
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

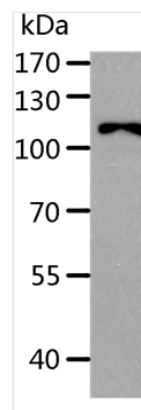
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total AARS protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	1.7 mg/ml (varies by lot)
Sequence Length	968
Applicable Applications for anti-AARS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human alanyl-tRNA synthetase
Target Name	AARS
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human brain cancer tissue using at dilution 1/50.



Application Data

Gel: 8%SDS-PAGE Lysate: 40ug K562 cell Primary antibody: 1/283 dilution Secondary antibody dilution: 1/8000 Exposure time: 1 minute

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 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	Total protein Ab

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
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/aars-antibody-immunohistochemistry-western-blot-elisa/301542>