

DNAxPAb

Hard-to-Find
Antibody

AARS DNAxPab

Catalog # H00000016-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AARS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MDSTLTASEIRQRFIDFFKRNEHTYVHSSATIPLDDPTLLFANAGMNQFKPIFLNTIDPSHPMAKLSR AANTQKCIRAGGKHNDLDDVGKDVYHHTFFEMLGSWSF GDYFKELACKMALELLTQEFGIPIERL YVTFYGGDEAAGLEADLECKQWQNLGLDDTKILPGNMKDNFWEMGDTGPCGPCSEIHYDRIGG RDA AHLVNQDDPNVLEIWNLVFIQYNREADGILKPLPKKSIDTGMGLERLVSVLQNKMSNYDTDLF VPYFEAIQKGTGARPYTGKVGAEADADGIDMAYRVLADHARTITVALADGGRPDNTGRGYVLRRLR RAVRYAHEKLNASRGFFATLVDVVVQSLGDAFPELKKDPDMVKDIINEEEVQFLKTL SRGRRILDR KIQSLGDSKTIPGDTAWLLYDTYGFPVDLTGLIAEEKGLVVDMDGFEEERKLAQLKSQKGAGGE DLIMLDIYAIELRARGLEVTD DSPKYNHLDSSGSYVFENTVATVMALRREKMFVEEVSTGQECG VVLDKTCFYAEQGGQYDEGYLVKVDSSSEDKTEFTVKNAQVRGGYVLHIGTYGDLKVG DQVWL FIDEPRRRPIMSNHTATHILNFALRSVLGEADQKGS LVAPDRLRFDF TAKGAMSTQQIKKAE EIANE MIEAAKAVYTQDCPLAAAKAIQGLRAVFDETYDPVRVVSIGVPVSELLDDPSGPAGSLTSVEFC GGTHLRNSSHAGAFVIVTEEAIKGI RRMVAVTGAEAQKALRKAESLKKCLSVMEAKVKAQTAPNK DVQREIADLGEALATAVIPQWQKDELRETLKSLKKVMDDLDRASKADVQKRVLEKTKQFIDSNPN QPLVILEMESGASAKALNEALKLFKMHS PQTSAMLF TVDNEAGKITCLCQVPQNAANRGLKASE WVQQVSGLMDGKGKKGDVSAQATGKNVGCLQEALQLATSFAQLRLGDVKN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — AARS

Entrez GeneID [16](#)

GeneBank Accession# [NM_001605.2](#)

Protein Accession# [NP_001596.2](#)

Gene Name AARS

Gene Alias -

Gene Description alanyl-tRNA synthetase

Omim ID [601065](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations alanine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)