



# Anti-AARS (aa 461-723) polyclonal antibody (DPABH-03660)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant fragment corresponding to a region within internal amino acids 461 and 723 of Human AlaRS (P49588)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.00; Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AARS alanyl-tRNA synthetase [ Homo sapiens ]</a>
<b>Official Symbol</b>	AARS
<b>Synonyms</b>	AARS; alanyl-tRNA synthetase; CMT2N; alanine--tRNA ligase, cytoplasmic; alaRS; renal carcinoma antigen NY-REN-42; alanine tRNA ligase 1, cytoplasmic; alanyl-tRNA synthetase, cytoplasmic;
<b>Entrez Gene ID</b>	<a href="#">16</a>
<b>Protein Refseq</b>	<a href="#">NP_001596.2</a>
<b>UniProt ID</b>	<a href="#">P49588</a>
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; tRNA Aminoacylation
<b>Function</b>	ATP binding; alanine-tRNA ligase activity; amino acid binding; aminoacyl-tRNA editing activity