



Anti-AARS2 (internal region) polyclonal antibody (DPAB-DC2592)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide corresponding to amino acids 478-489 at internal region of human AARS2. The sequence is CQHRARQAEPVQK
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Transfected lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AARS2 alanyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	AARS2
Synonyms	AARS2; alanyl-tRNA synthetase 2, mitochondrial; AARS1; COXPD8; MTALARS; MT-ALARS; alanine--tRNA ligase, mitochondrial; alanyl-tRNA synthetase like; probable alanyl-tRNA synthetase, mitochondrial; alanine tRNA ligase 2, mitochondrial (putative); alanyl-tRNA synthetase 2, mitochondrial (putative);
Entrez Gene ID	57505
Protein Refseq	NP_065796
UniProt ID	Q5JTZ9
Chromosome Location	6p21.1
Pathway	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Gene Expression; tRNA Aminoacylation
Function	ATP binding; alanine-tRNA ligase activity; metal ion binding; tRNA binding