

AARS2 Conjugated Antibody

Catalog No: #C35611



Package Size: #C35611-Conjugated 50ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	AARS2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB, IF, IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total AARS2 protein.
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human Alanyl-tRNA synthetase 2, mitochondrial
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AARSL; COXPD8; MTALARS; MT-ALARS
Accession No.	Swiss-Prot#:Q5JTZ9NCBI Gene ID:57505NCBI mRNA#:NCBI Protein#:BC131728
Calculated MW	107
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF:1:50-1:200

Background

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. 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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.