

Datasheet for ABIN391804
anti-AARS antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	AARS
Binding Specificity:	AA 61-91, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This AlaRS (AARS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-91 amino acids from the N-terminal region of human AlaRS (AARS).
Clone:	RB14611
Isotype:	Ig Fraction
Predicted Reactivity:	E, D, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	AARS
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Target Details

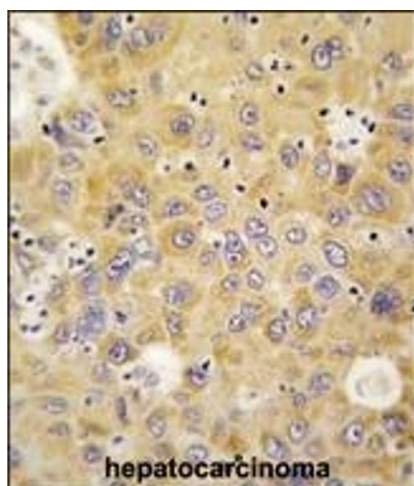
Alternative Name:	AlaRS (AARS) (AARS Products)
Background:	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthetases, of the class II enzymes. Class II tRNA synthetases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41 % identity with the E. coli protein. tRNA synthetases 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.
Molecular Weight:	106810
Gene ID:	16
NCBI Accession:	NP_001596
UniProt:	P49588

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

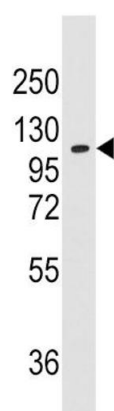
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with RS antibody (N-term) (ABIN391804 and ABIN2841658), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-RS Pab (ABIN391804 and ABIN2841658) in K562 cell line lysates (35 µg/lane). RS (arrow) was detected using the purified Pab.