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# Datasheet for ABIN5535430 anti-AARS2 antibody (N-Term)

2 Images



### Overview

Quantity:	400 µL
Target:	AARS2
Binding Specificity:	AA 61-91, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AARS2 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).

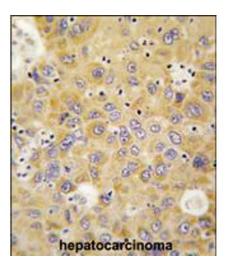
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis

## Target Details

Target:	AARS2
Alternative Name:	AlaRS (AARS2 Products)
Background:	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases,of the class

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	Il 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 witht the E.coli protein.tRNA synthases are the enzymes that interpret the RNA code and attach specific aminoacids 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:	107 kDa
Gene ID:	16
UniProt:	P49588
Application Details	
Application Notes:	For WB starting dilution is: 1:1000
	For IHC-P starting dilution is: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	2 mg/mL
Buffer:	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:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



# 250 130 95 72 55 36

#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AARS antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

#### Western Blotting

**Image 2.** Western blot analysis of anti-AARS Pab in K562 cell line lysates (35ug/lane)

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