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# Datasheet for ABIN6150324 anti-YARS antibody (AA 1-300)

2 Images

1 Publication



### Overview

Quantity:	100 µL
Target:	YARS (Yars)
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human YARS (NP_003671.1).
Immunogen: Sequence:	
	human YARS (NP_003671.1).
	human YARS (NP_003671.1). MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMSKIA
	human YARS (NP_003671.1). MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMSKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYYENV IKAMLESIGV PLEKLKFIKG
	human YARS (NP_003671.1). MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMSKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYYENV IKAMLESIGV PLEKLKFIKG TDYQLSKEYT LDVYRLSSVV TQHDSKKAGA EVVKQVEHPL LSGLLYPGLQ ALDEEYLKVD
	human YARS (NP_003671.1). MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMSKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYYENV IKAMLESIGV PLEKLKFIKG TDYQLSKEYT LDVYRLSSVV TQHDSKKAGA EVVKQVEHPL LSGLLYPGLQ ALDEEYLKVD AQFGGIDQRK IFTFAEKYLP ALGYSKRVHL MNPMVPGLTG SKMSSSEEES KIDLLDRKED
Sequence:	human YARS (NP_003671.1). MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMSKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYYENV IKAMLESIGV PLEKLKFIKG TDYQLSKEYT LDVYRLSSVV TQHDSKKAGA EVVKQVEHPL LSGLLYPGLQ ALDEEYLKVD AQFGGIDQRK IFTFAEKYLP ALGYSKRVHL MNPMVPGLTG SKMSSSEEES KIDLLDRKED VKKKLKKAFC EPGNVENNGV LSFIKHVLFP LKSEFVILRD EKWGGNKTYT AYVDLEKDFA

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Target Details	
Target:	YARS (Yars)
Alternative Name:	YARS (Yars Products)
Background:	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine.,YARS,CMTDIC,TYRRS,YRS,YTS,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Mitochondrial metabolism,Immunology & Inflammation,Cytokines,YARS
Molecular Weight:	59 kDa
Gene ID:	8565
UniProt:	P54577

## Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

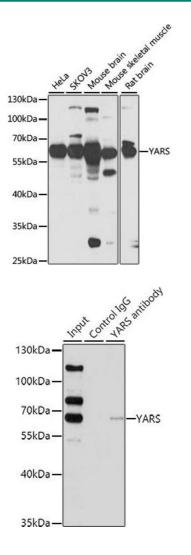
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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Zhang, Zhai, Tang, Cheng, Li, Wang, Zhu: "Quantitative proteome-based systematic identification of SIRT7 substrates." in: **Proteomics**, Vol. 17, Issue 13-14, (2017) (PubMed).

### Images



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using YARS antibody (ABIN6128883, ABIN6150324, ABIN6150325 and ABIN6222537) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

#### Immunoprecipitation

**Image 2.** Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg YARS antibody (ABIN6128883, ABIN6150324, ABIN6150325 and ABIN6222537). Western blot was performed from the immunoprecipitate using YARS antibody (ABIN6128883, ABIN6150324, ABIN6150325 and ABIN6222537) at a dilition of 1:1000.

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