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Datasheet for ABIN391838 **anti-YARS antibody (N-Term)**

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	YARS (Yars)
Binding Specificity:	AA 160-190, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YARS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Tyrosyl tRNA synthetase (YARS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-190 amino acids from the N-terminal region of human Tyrosyl tRNA synthetase (YARS).
Clone:	RB14873
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	YARS (Yars)
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Target Details

Alternative Name:	Tyrosyl tRNA synthetase (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.
Molecular Weight:	59143
Gene ID:	8565
NCBI Accession:	NP_003671
UniProt:	P54577

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

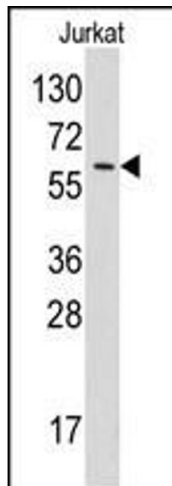
Handling

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

Publications

Product cited in: Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: **Molecular medicine reports**, Vol. 14, Issue 4, pp. 2929-36, (2017) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of anti-YARS Pab (ABIN391838 and ABIN2841677) in Jurkat cell line lysates (35 µg/lane). YARS (arrow) was detected using the purified Pab.