

## Datasheet for ABIN633610 **anti-YARS antibody (N-Term)**



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	YARS (Yars)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YARS antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	YARS antibody was raised using the N terminal of YARS corresponding to a region with amino acids MGDAPSPEEKLHLITRNLQEVLGEEKLKEILKERELKIYWGTATTGKPHV
Specificity:	YARS antibody was raised against the N terminal of YARS
Purification:	Affinity purified

#### Target Details

Target:	YARS (Yars)
Alternative Name:	YARS ( <a href="#">Yars Products</a> )
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

## Target Details

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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.

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Molecular Weight: 59 kDa (MW of target protein)

## Application Details

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Application Notes: WB: 0.5 µg/mL  
Optimal conditions should be determined by the investigator.

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Comment: YARS Blocking Peptide, catalog no. 33R-6016, is also available for use as a blocking control in assays to test for specificity of this YARS antibody

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of YARS antibody in PBS

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Concentration: Lot specific

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Buffer: PBS

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Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

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Storage: 4 °C/-20 °C

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Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** YARS antibody used at 0.5 ug/ml to detect target protein.