

Datasheet for ABIN359750  
**anti-YARS antibody (C-Term)**



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2 Images

## Overview

Quantity:	0.4 mL
Target:	YARS (Yars)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human YARS.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Tyrosyl tRNA synthetase (YARS).
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

## Target Details

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

## Target Details

**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. Synonyms: TyrRS, Tyrosyl-tRNA ligase, Tyrosyl-tRNA synthetase cytoplasmic

**Gene ID:** 8565, 9606

**UniProt:** [P54577](#)

## Application Details

**Application Notes:** ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS with 0.09 % (W/V) sodium azide

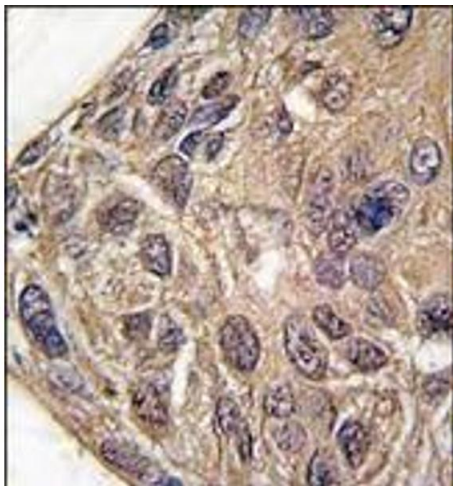
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

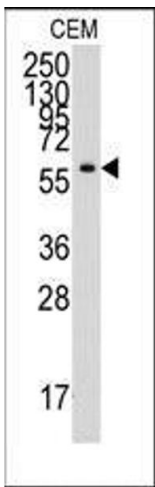
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with YARS antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



**Western Blotting**

**Image 2.** Western blot analysis of anti-YARS Antibody (C-term) in CEM cell line lysates (35ug/lane). YARS (arrow) was detected using the purified Pab (1:60 dilution).