

Product datasheet for **AP14234PU-N**

Tyrosyl tRNA synthetase (YARS) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human YARS.
Specificity:	This antibody reacts to Tyrosyl tRNA synthetase (YARS).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tyrosyl-tRNA synthetase
Database Link:	Entrez Gene 8565 Human P54577



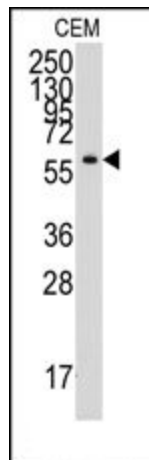
[View online »](#)

Background:

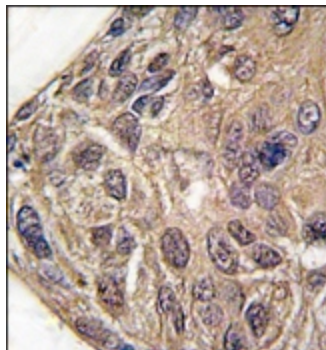
Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA 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

Product images:

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).



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.