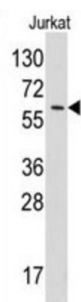


Tyrosine-tRNA Ligase, Cytoplasmic (YARS1) Antibody

Catalogue No.: abx033489



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.

Target:	Tyrosine-tRNA Ligase, Cytoplasmic (YARS1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 160-190 amino acids from the N-terminal region of human Tyrosyl tRNA synthetase (YARS).
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P54577 (UniProt , ExPASy)

Datasheet

Version: 5.0.0

Revision date: 02 Sep 2025



Gene Symbol: YARS1

GeneID: [8565](#)

OMIM: [603623](#)

HGNC: 12840

KEGG: hsa:8565

String: [9606.ENSP00000362576](#)

Molecular Weight: Calculated MW: 59.1 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Rat YARS1.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only