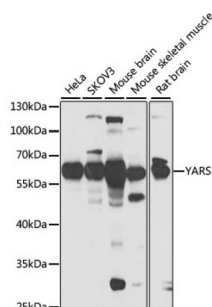
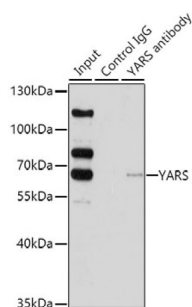


## Tyrosine-tRNA Ligase, Cytoplasmic (YARS1) Antibody

Catalogue No.: abx005209



Western blot analysis of various lysates using YARS Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 30s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg YARS antibody. Western blot was performed from the immunoprecipitate using YARS antibody at a dilution of 1/1000.

YARS1 Antibody is a Rabbit Polyclonal antibody against YARS1. 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, Mouse, Rat

**Tested Applications:** ELISA, WB, IP

**Host:** Rabbit

**Recommended dilutions:** ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant protein corresponding to YARS1. The exact sequence is proprietary.

# Datasheet

Version: 5.0.0  
Revision date: 12 Sep 2025



Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P54577 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
Gene Symbol:	YARS1
GeneID:	<a href="#">8565</a>
OMIM:	<a href="#">603623</a>
NCBI Accession:	NP_003671.1
HGNC:	12840
KEGG:	hsa:8565
String:	<a href="#">9606.ENSP00000362576</a>
Molecular Weight:	Calculated MW: 59 kDa Observed MW: 59 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.