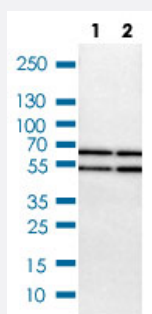


# YARS polyclonal antibody

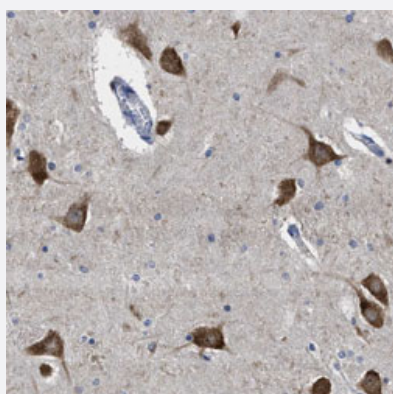
Catalog # PAB31610      Size 100 uL

## Applications



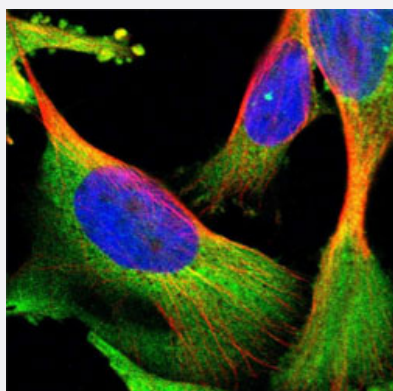
### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human hippocampus shows strong cytoplasmic positivity in neuronal cells.



### Immunofluorescence

Immunofluorescent staining of U-251 MG cell line with antibody shows positivity in nuclear bodies and cytosol (green).

## Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human YARS.
Immunogen	Recombinant protein corresponding to human YARS.
Sequence	VLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLDPPAGSAPGEHVFVKGYEKGQPDEELKPKK KVFEKLQADFKISEECIAQWKQTNFMTKLGSIS
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:100-250) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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## Gene Info — YARS

Entrez GeneID

[8565](#)

Protein Accession#	<a href="#">P54577</a>
Gene Name	YARS
Gene Alias	CMTDIC, TYRRS, YRS, YTS
Gene Description	tyrosyl-tRNA synthetase
Omim ID	<a href="#">603623</a> <a href="#">608323</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000004027 tyrosine tRNA ligase 1, cytoplasmic

## Pathway

- [Aminoacyl-tRNA biosynthesis](#)