

## YARS antibody

Catalog No: #39183

Package Size: #39183-1 50ul #39183-2 100ul

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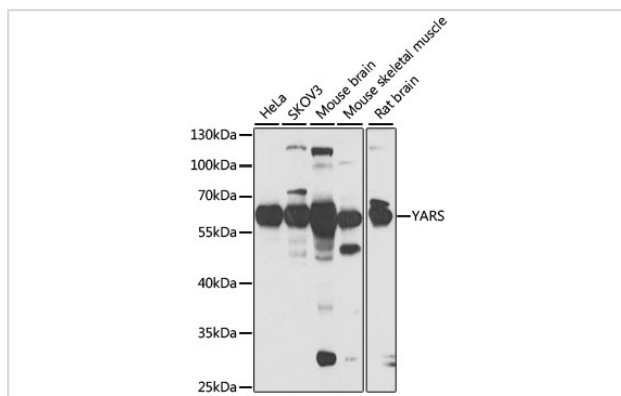
## Description

Product Name	YARS antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total YARS protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human YARS.
Target Name	YARS
Other Names	YRS; YTS; TYRRS; CMTDIC;
Accession No.	Swiss-Prot#: P54577NCBI Gene ID: 8565
Uniprot	P54577
GeneID	8565;
SDS-PAGE MW	59kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

WB □ 1:500 - 1:2000 IP □ 1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using YARS at 1:1000 dilution.

## Background

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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.

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Note: This product is for in vitro research use only