



[Go to Product page](#)

Datasheet for ABIN6570715

anti-YARS antibody

2 Images

Overview

Quantity:	200 µL
Target:	YARS (Yars)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein of human YARS
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	YARS (Yars)
Alternative Name:	YARS (Yars Products)
Background:	Synonyms: CMTDIC,SYYC,Tyrosine tRNA ligase,cytoplasmic,Tyrosine tRNA ligase 1,cytoplasmic,Tyrosyl tRNA synthetase,Tyrosyl-tRNA ligase,Tyrosyl-tRNA synthetase,cytoplasmic,TyrRS,yars,YRS,YTS 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

Target Details

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.

Molecular Weight: Observed_MW: 59kDa
Calculated_MW: 59kDa

Gene ID: 8565

UniProt: [P54577](#)

Application Details

Application Notes: WB 1:500 - 1:2000 IP 1:50 - 1:200

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

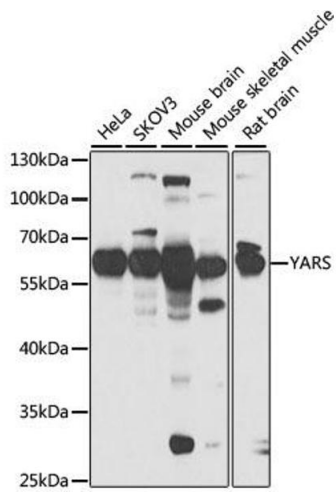
Buffer: Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

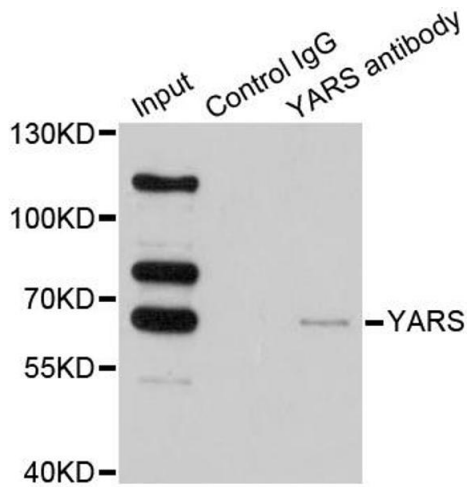
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using YARS antibody.



Immunoprecipitation

Image 2. Immunoprecipitation analysis of 200ug extracts of HeLa cells using 1ug YARS antibody.