

A6791

Leader in Biomolecular Solutions for Life Science



YARS Rabbit pAb

Catalog No.: A6791

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Basic Information

Observed MW

59kDa

Calculated MW

59kDa

Category

Mouse Monoclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

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 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.

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

8565

Swiss Prot

P54577

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human YARS (NP_003671.1).

Synonyms

YRS; YTS; YARS; TYRRS; CMTDIC; IMNEPD2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

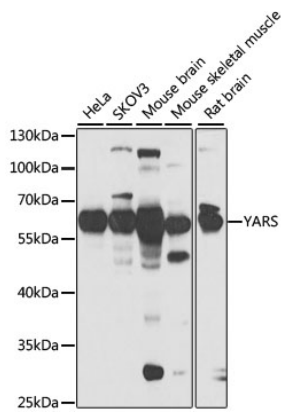
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of various lysates using YARS Rabbit pAb (A6791) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg YARS antibody (A6791). Western blot was performed from the immunoprecipitate using YARS antibody (A6791) at a dilution of 1:1000.

