

YARS/Tyrosyl-tRNA Synthetase/TYRRS Antibody

Rabbit Polyclonal

Antigen Affinity Purified	Protein ID	P54577.4
Catalog No. A305-064A	GeneID	8565
Lot No. A305-064A-1		



APPLICATIONS WB, IP
SPECIES REACTIVITY Human, Mouse
PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Rat and Orangutan
AMOUNT 100 µl
CONCENTRATION 1000 µg/ml
STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt
PHYSICAL STATE Liquid
BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE IgG
ORIGIN USA
PRODUCTION PROCEDURES Antibody was affinity purified using an epitope specific to YARS/Tyrosyl-tRNA Synthetase/TYRRS immobilized on solid support.

The epitope recognized by A305-064A maps to a region between residue 1 to 50 of human Tyrosyl-tRNA synthetase, cytoplasmic using the numbering given in entry P54577.4 (GeneID 8565).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

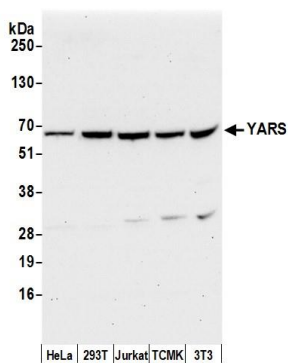
Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 µg/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

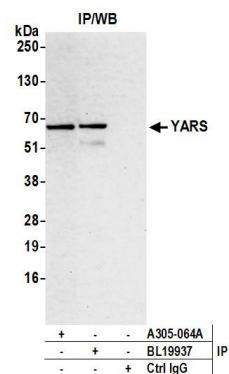
ADDITIONAL INFO <https://www.bethyl.com/product/A305-064A>
Use the link above to view SDS, a current list of citations, and other product specific information.
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human and mouse YARS by western blot.

Samples: Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. **Antibody:** Affinity purified rabbit anti-YARS antibody A305-064A (lot A305-064A-1) used for WB at 0.1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 30 seconds.



Detection of human YARS by western blot of immunoprecipitates.

Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. **Antibodies:** Affinity purified rabbit anti-YARS antibody A305-064A (lot A305-064A-1) used for IP at 6 µg per reaction. YARS was also immunoprecipitated by rabbit anti-YARS antibody BL19937. For blotting immunoprecipitated YARS, A305-064A was used at 0.4 µg/ml. **Detection:** Chemiluminescence with an exposure time of 30 seconds.