

YARS2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7838a

Specification

YARS2 Antibody (N-term) - Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P, WB,E |
| Primary Accession | O9Y2Z4 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Antigen Region | 43-71 |

YARS2 Antibody (N-term) - Additional Information

Gene ID 51067

Other Names

Tyrosine--tRNA ligase, mitochondrial, Tyrosyl-tRNA synthetase, TyrRS, YARS2

Target/Specificity

This YARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-71 amino acids from the N-terminal region of human YARS2.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

YARS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

YARS2 Antibody (N-term) - Protein Information

Name YARS2

Function Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two- step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).

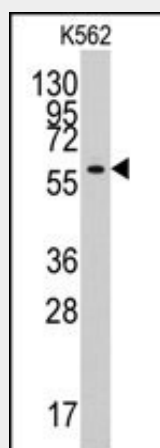
Cellular Location
Mitochondrion matrix

YARS2 Antibody (N-term) - Protocols

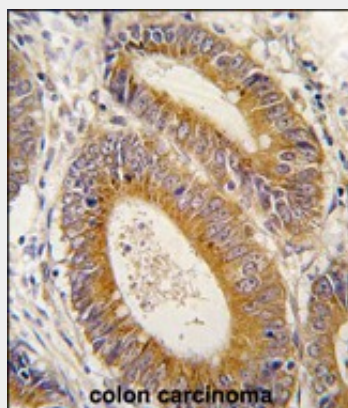
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

YARS2 Antibody (N-term) - Images



Western blot analysis of anti-YARS2 Antibody (N-term) (Cat.#AP7838a) in K562 cell line lysates (35ug/lane). YARS (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with YARS2 antibody (N-term) (Cat.#AP7838a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

YARS2 Antibody (N-term) - Background

YARS2 catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr)

YARS2 Antibody (N-term) - References

Bonnefond,L., Structure 15 (11), 1505-1516 (2007)

Bonnefond,L., RNA 11 (5), 558-562 (2005)

Bonnefond,L., Biochemistry 44 (12), 4805-4816 (2005)

YARS2 Antibody (N-term) - Citations

- [Phenotypic variability and identification of novel YARS2 mutations in YARS2 mitochondrial myopathy, lactic acidosis and sideroblastic anaemia.](#)