

RARS2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8590b**Specification**

RARS2 Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q5T160
Other Accession	Q0P5H7
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65505
Antigen Region	369-399

RARS2 Antibody (C-term) - Additional Information**Gene ID** 57038**Other Names**

Probable arginine--tRNA ligase, mitochondrial, Arginyl-tRNA synthetase, ArgRS, RARS2, RARSL

Target/Specificity

This RARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 369-399 amino acids from the C-terminal region of human RARS2.

Dilution

FC~~1:10~50

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

RARS2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RARS2 Antibody (C-term) - Protein Information

Name RARS2

Synonyms RARSL

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

Cellular Location

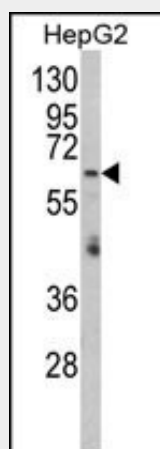
Mitochondrion membrane

RARS2 Antibody (C-term) - Protocols

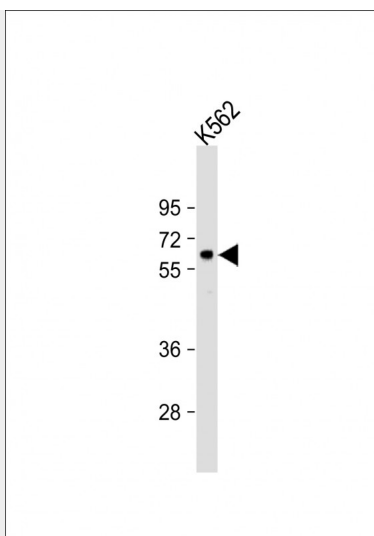
Provided below are standard protocols that you may find useful for product applications.

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

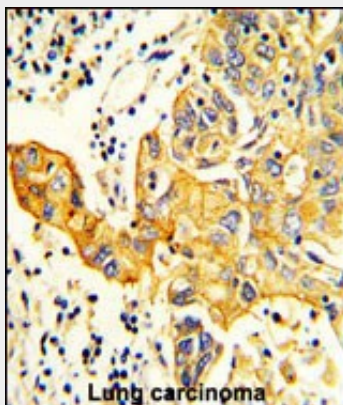
RARS2 Antibody (C-term) - Images



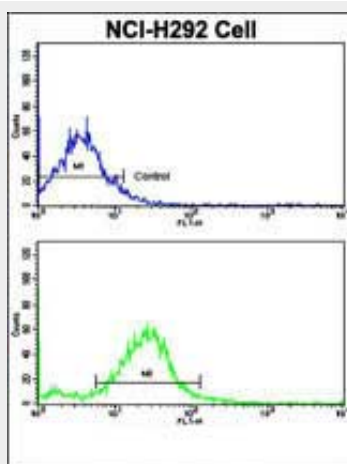
Western blot analysis of RARS2 Antibody (C-term) (Cat. #AP8590b) in HepG2 cell line lysates (35ug/lane). RARS2 (arrow) was detected using the purified Pab.



Anti-RARS2 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human Lung carcinoma reacted with RARS2 Antibody (C-term), 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.



Flow cytometric analysis of NCI-H292 cells using RARS2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary

antibodies were used for the analysis.

RARS2 Antibody (C-term) - Background

RARS2 is an arginyl-tRNA synthetase that is found in the mitochondrial matrix.

RARS2 Antibody (C-term) - References

Edvardson,S., et.al., Am. J. Hum. Genet. 81 (4), 857-862 (2007)

Ewing,R.M., et.al., Mol. Syst. Biol. 3, 89 (2007)

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