

**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	<a href="#">Q5T160</a>
Other Accession	<a href="#">Q0P5H7</a>
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**

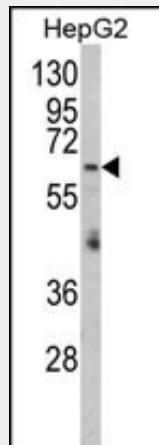
Mitochondrion membrane

### RARS2 Antibody (C-term) - Protocols

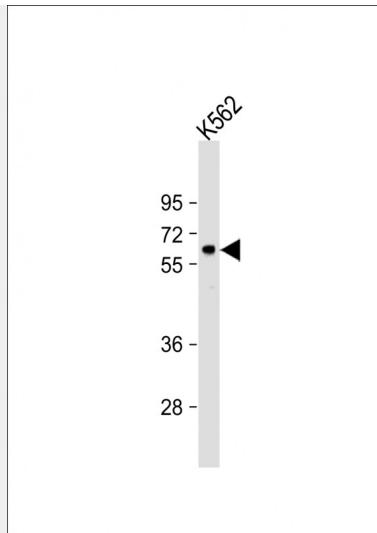
Provided below are standard protocols that you may find useful for product applications.

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

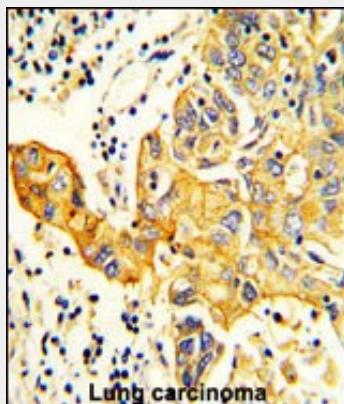
### RARS2 Antibody (C-term) - Images



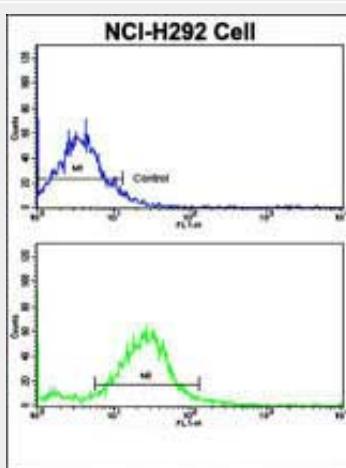
Western blot analysis of RARS2 Antibody (C-term) (Cat. #AP8590b) in HepG2 cell line lysates (35ug/lane). RARS2 (arrow) was detected using the purified Pab.



Anti-RARS2 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20  $\mu$ g 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)