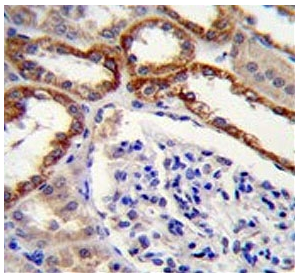
Prolyl-tRNA synthetase Antibody / ProRS (F54574)

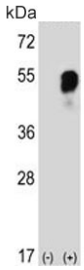
Catalog No.	Formulation	Size
F54574-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54574-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

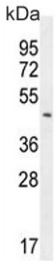
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q7L3T8
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This Prolyl-tRNA synthetase antibody is available for research use only.



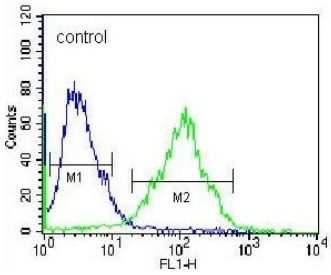
IHC testing of FFPE human kidney tissue with Prolyl-tRNA synthetase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Prolyl-tRNA synthetase antibody. Predicted molecular weight ~53 kDa.



Western blot testing of mouse bladder tissue lysate with Prolyl-tRNA synthetase antibody. Predicted molecular weight ~53 kDa.



Flow cytometry testing of human HEK293 cells with Prolyl-tRNA synthetase antibody; Blue=isotype control, Green= Prolyl-tRNA synthetase antibody.

Description

Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis. Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Prolyl-tRNA synthetase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 390-417 from the human protein was used as the immunogen for the Prolyl-tRNA synthetase antibody.

Storage

Aliquot the Prolyl-tRNA synthetase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.