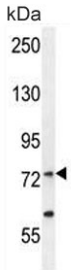
RARS Antibody / Arginyl-tRNA synthetase / ArgRS (F54575)

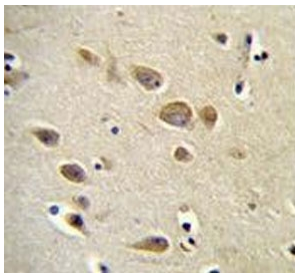
Catalog No.	Formulation	Size
F54575-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54575-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

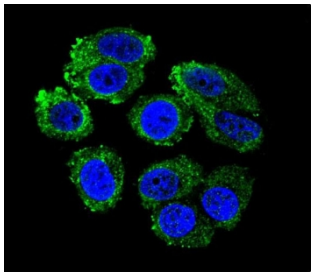
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P54136
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This RARS antibody is available for research use only.



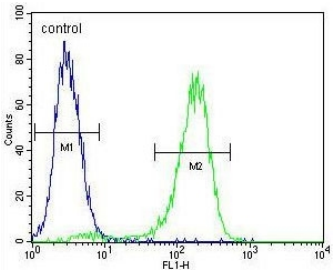
Western blot testing of human MCF7 cell lysate with RARS antibody. Predicted molecular weight ~75 kDa.



IHC testing of FFPE human brain tissue with RARS antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human MCF7 cells with RARS antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human MCF7 cells with RARS antibody; Blue=isotype control, Green= RARS antibody.

Description

Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq].

Application Notes

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

Immunogen

A portion of amino acids 605-634 from the human protein was used as the immunogen for the RARS antibody.

Storage

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