

# RARS Polyclonal antibody

Catalog Number: 14757-1-AP

## Basic Information

**Catalog Number:**

14757-1-AP

**Size:**

270 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6617

**GenBank Accession Number:**

BC000528

**GeneID (NCBI):**

5917

**UNIPROT ID:**

P54136

**Full Name:**

arginyl-tRNA synthetase

**Calculated MW:**

75 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IP: MCF-7 cells,

## Background Information

RARS, also named ArgRS (arginyl-tRNA synthetase), belongs to the class-I aminoacyl-tRNA synthetase family which catalyze the aminoacylation of tRNA by their cognate amino acid. In higher eukaryotes, one of the two arginyl-tRNA synthetases (ArgRSs) has evolved to have an extended N-terminal domain that plays a crucial role in protein synthesis and cell growth and in integration into the multisynthetase complex (MSC) (PMID:25288775). RARS has two isoforms with the molecular weight of 75 and 67 kDa.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

