

## SYAC Rabbit Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP04972
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human SYAC
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	SYAC
Synonyms	SYAC; Alanine--tRNA ligase; cytoplasmic; EC 6.1.1.7; Alanyl-tRNA synthetase; AlaRS; Renal carcinoma antigen NY-REN-42

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

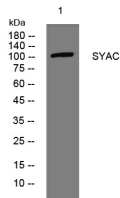
The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthetases of the class II enzymes. Class II tRNA synthetases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthetases are the enzymes that interpret the RNA code and attach specific aminoacids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA and a second domain which interacts with the rest of the tRNA structure.

### Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from MDA-MB cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year