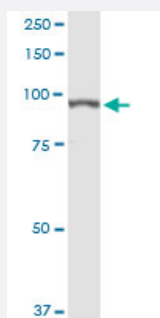


AARS (Human) IP-WB Antibody Pair

Catalog # H00000016-PW1

Size 1 Set

Applications



Immunoprecipitation of AARS transfected lysate using rabbit polyclonal anti-AARS and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-AARS.

Specification

| | |
|--------------------------------------|---|
| Product Description | This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot. |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (95%); Rat (95%) |
| Quality Control Testing | Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of AARS transfected lysate using rabbit polyclonal anti-AARS and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-AARS. |
| Supplied Product | Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-AARS (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-AARS (50 ug) |
| Storage Instruction | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use. |

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — AARS

Entrez GeneID [16](#)

Gene Name AARS

Gene Alias -

Gene Description alanyl-tRNA synthetase

Omim ID [601065](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases, of the class II enzymes. Class II tRNA synthases 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 synthases are the enzymes that interpret the RNA code and attach specific amino acids 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. [provided by RefSeq]

Other Designations alanine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)