

AARS Rabbit Polyclonal Antibody



CAB15017

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

107kDa

Calculated MW:

106kDa/109kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein 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 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.

Immunogen information

Gene ID:

16

Uniprot

P49588

Synonyms:

AARS; CMT2N; EIEE29

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

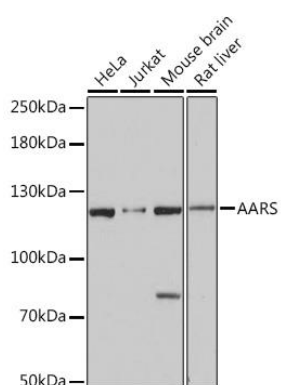
Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human AARS (NP_001596.2).

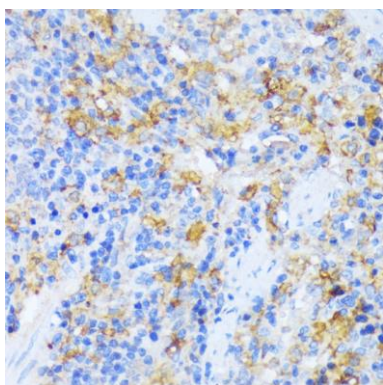
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

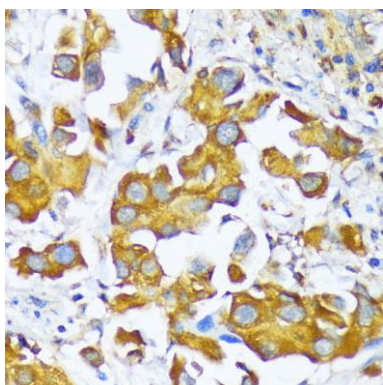
Product Images



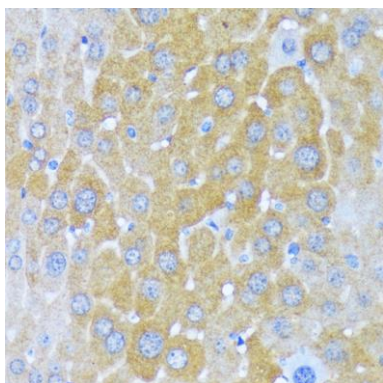
Western blot analysis of extracts of various cell lines, using AARS Rabbit pAb (CAB15017) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat spleen using AARS antibody (CAB15017) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using AARS antibody (CAB15017) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using AARS antibody (CAB15017) at dilution of 1:100 (40x lens).