

AARS2 Polyclonal Antibody

Catalog Number:E-AB-13885

Note: Centrifuge before opening to ensure complete recovery of vial contents.

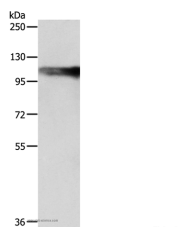
Description

| | |
|---------------------|---|
| Reactivity | Human,Mouse,Rat |
| Immunogen | Recombinant protein of human AARS2 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% sodium azide and 50% glycerol, PH7.4 |

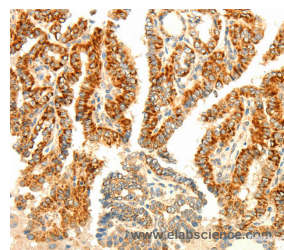
Applications Recommended Dilution

| | |
|------------|---------------|
| WB | 1:1000-1:5000 |
| IHC | 1:100-1:300 |

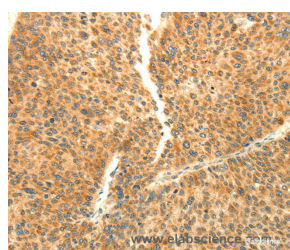
Data



Western Blot analysis of SP20 cell using AARS2 Polyclonal Antibody at dilution of 1:1200
Calculated Mw:107kDa



Immunohistochemistry of paraffin-embedded Human thyroid cancer using AARS2 Polyclonal Antibody at dilution of 1:80



Immunohistochemistry of paraffin-embedded Human liver cancer using AARS2 Polyclonal Antibody at dilution of 1:80

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases play critical roles in mRNA translation by charging tRNAs with their cognate amino acids. The encoded protein is a mitochondrial enzyme that specifically aminoacylates alanyl-tRNA. Mutations in this gene are a cause of combined oxidative phosphorylation deficiency 8. Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine

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is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain

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