

anti-AlaRS antibody

Product Information

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| Catalog No.: | FNab00276 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

AARS(alanyl-tRNA synthetase) is also named as AlaRS(alanine tRNA ligase 1, cytoplasmic), renal carcinoma antigen NY-REN-42 and belongs to the class-II aminoacyl-tRNA synthetase family. It can interpret the RNA code and attach specific amino acids to the tRNAs that contain the cognate trinucleotide anticodons. AARS consists of three domains: the N-terminal catalytic domain, the editing domain and the C-terminal C-Ala domain. The editing domain removes incorrectly charged amino acids, while the C-Ala domain, along with tRNA(Ala), serves as a bridge to cooperatively bring together the editing and aminoacylation centers thus stimulating deacylation of misacylated tRNAs(PMID:19661429).

Immunogen information

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|--------------|--|
| Immunogen: | alanyl-tRNA synthetase |
| Synonyms: | AARS, Alanine tRNA ligase, alanyl tRNA synthetase, AlaRS |
| Observed MW: | 107 kDa |
| UniprotID : | P49588 |

Application

Wuhan Fine Biotech Co., Ltd.

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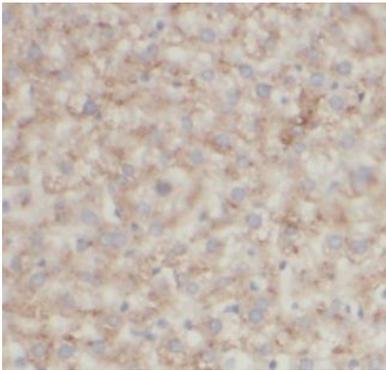
Fax: (0086)027-87800889 www.fn-test.com

Reactivity: Human, Mouse, Rat

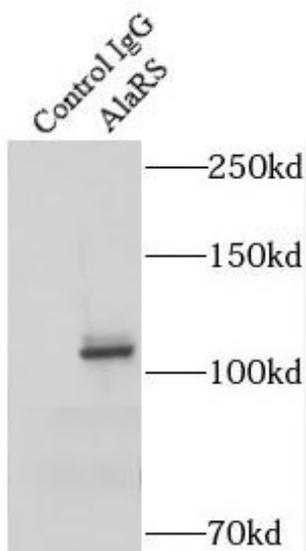
Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200; IP: 1:200-1:2000

Image:



Immunohistochemistry of paraffin-embedded human liver using FNab00276(AARS antibody) at dilution of 1:100



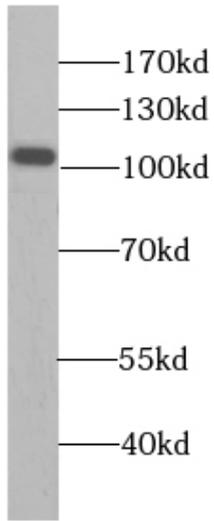
IP Result of anti-AlaRS (IP:FNab00276, 4ug; Detection:FNab00276 1:500) with HepG2 cells lysate 2400ug.

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HepG2 cells were subjected to SDS PAGE followed by western blot with FNab00276(AARS antibody) at dilution of 1:400