

**Product name**

Anti-AARS / alanyl-tRNA synthetase antibody

**Immunogen**

[Mouse AARS / alanyl-tRNA synthetase \(His Tag\) recombinant protein](#)

**Specificity**

Mouse AARS / alanyl-tRNA synthetase

**Antibody description**

Rabbit polyclonal to AARS / alanyl-tRNA synthetase

**Preparation**

Produced in rabbits immunized with purified, recombinant Mouse AARS / alanyl-tRNA synthetase (rM AARS / alanyl-tRNA synthetase; Q8BGQ7; Met1-Asn968). AARS / alanyl-tRNA synthetase specific IgG was purified by Mouse AARS / alanyl-tRNA synthetase affinity chromatography.

**Formulation**

0.2 µm filtered solution in PBS

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.

Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

**Clonality**

Polyclonal

**Ig Type**

Rabbit IgG

**Applications**

ELISA, WB, IHC-P, IF, IP, ICC/IF

**Dilutions**

WB: 10-20 µg/ml

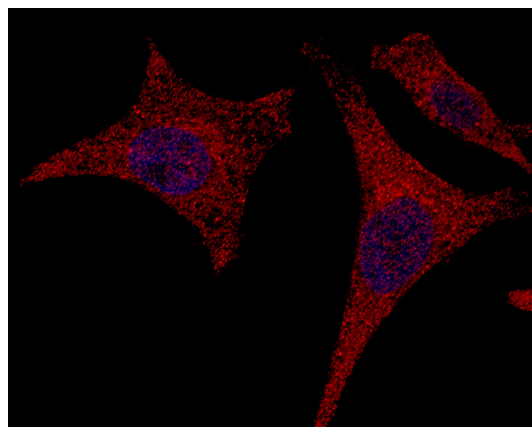
ELISA: 0.1-0.2 µg/ml

This antibody can be used at 0.1-0.2 µg/ml with the appropriate secondary reagents to detect Mouse AARS / alanyl-tRNA synthetase.

IHC-P: 0.1-2 µg/mL

ICC/IF: 1-3 µg/mL

IP: 1-4 uL/mg of lysate

**Validations**

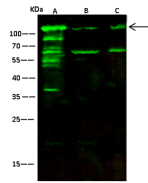
AARS / alanyl-tRNA synthetase Antibody, Rabbit PAb, Antigen Affinity Purified

Immunofluorescence staining of AARS in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse AARS polyclonal antibody (1 µg/ml) at 4°C overnight. Then cells were stained with the Alexa Fluor®594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to

# Anti-AARS / alanyl-tRNA synthetase antibody

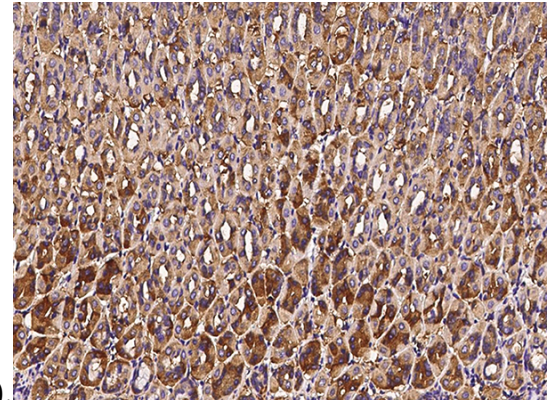


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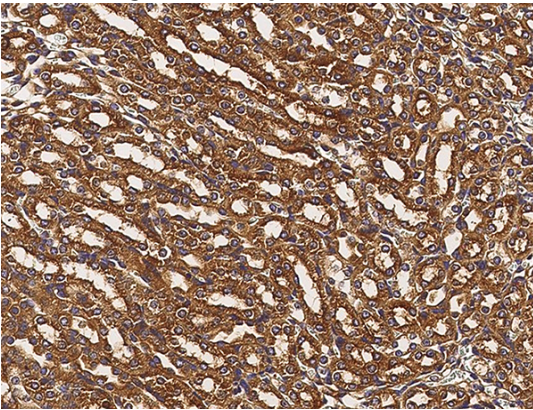
Lanes	A	B	C
Items			
Sample (whole cell lysate)	NIH3T3	Jurkat	K562
Sample Volume (µg/lane)	30	30	30
Gel	13% SDS-PAGE reducing gel		
Recommended Concentration	10-20 µg/ml		
Secondary Antibody	Dylight 800-labeled Antibody to Rabbit IgG (H+L), at 1:5000 dilution.		
Explanation	Developed using Odyssey imaging system. Predicted band size : 107 kDa Observed band size : 107 kDa Additional bands at : 80 kDa, 63 kDa and 37 kDa (We are unsure as to the identity of these extra bands. They are possible non-specific bindings).		

cytoplasm.



sections).

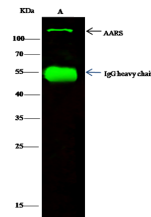
AARS / alanyl-tRNA synthetase Antibody, Rabbit PAb, Antigen Affinity Purified, Western blot



AARS / alanyl-tRNA synthetase Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry

Immunochemical staining of mouse AARS in mouse kidney with rabbit polyclonal antibody (0.5 µg/mL, formalin-fixed paraffin embedded

AARS / alanyl-tRNA synthetase Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry  
Immunochemical staining of mouse AARS in mouse stomach with rabbit polyclonal antibody (0.5 µg/mL, formalin-fixed paraffin embedded



Lanes	A
Items	
Sample (whole cell lysate)	K562
Sample quantity	0.5 mg
IP antibody quantity	2 µg
Protein G agarose	60 µg Immomagnetic beads Protein G
Gel	13% SDS-PAGE reducing gel
Primary antibody	mAARS-His antibody at 10 µg/ml
Secondary antibody	Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution

sections).

AARS / alanyl-tRNA synthetase Antibody, Rabbit PAb, Antigen Affinity Purified, Immunoprecipitation