



[Go to Product page](#)

Datasheet for ABIN731922  
**anti-AARS2 antibody (AA 451-550) (Cy5)**

### Overview

Quantity:	100 µL
Target:	AARS2
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AARS2 antibody is conjugated to Cy5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AARS2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

### Target Details

Target:	AARS2
Alternative Name:	Aars2 ( <a href="#">AARS2 Products</a> )

## Target Details

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Background: Synonyms: alanyl tRNA synthetase 2, AARSL, bA444E17.1, Gm89, MT ALARS, MTALARS , AARS 2, AARS2, Alanine tRNA ligase 2 mitochondrial, Alanine tRNA ligase, Alanyl tRNA synthetase 2 mitochondrial, Alanyl tRNA synthetase like, AlaRS, KIAA1270, MGC69820, Probable alanyl tRNA synthetase mitochondrial, RP11-444E17.1.

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. [provided by RefSeq, Dec 2011].

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Gene ID: 57505

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months