

Datasheet for ABIN633213 **anti-AARS antibody (C-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	AARS
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AARS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	AARS antibody was raised using the C terminal of AARS corresponding to a region with amino acids VTGAEAQKALRKAESLKKCLSVMEAKVKAQTAPNKDVQREIADLGEALAT
Specificity:	AARS antibody was raised against the C terminal of AARS
Purification:	Affinity purified

Target Details

Target:	AARS
Alternative Name:	AARS (AARS Products)
Background:	The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases, of the class II enzymes. Class II tRNA synthases 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

Target Details

with the E.coli protein. tRNA synthases 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.

Molecular Weight: 107 kDa (MW of target protein)

Application Details

Application Notes: WB: 0.5 µg/mL
Optimal conditions should be determined by the investigator.

Comment: AARS Blocking Peptide, catalog no. 33R-9844, is also available for use as a blocking control in assays to test for specificity of this AARS antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of AARS antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. AARS antibody used at 0.5 ug/ml to detect target protein.