



## International Office

### Everest Biotech Ltd

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11432 - Goat Anti-AARS2 (aa478-489) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AARSL, alanine tRNA ligase 2, mitochondrial (putative), alanine--tRNA ligase, alanyl-tRNA synthetase 2, mitochondrial (putative), alanyl-tRNA synthetase like, alanyl-tRNA synthetase, mitochondrial, alaRS, bA444E17.1, COXPD8, KIAA1270, MTALARS, MT-ALARS, OTTHUMP00000016528, probable alanyl-tRNA synthetase, mitochondrial, AARS2

**Official Symbol:** AARS2

**Accession Number(s):** NP\_065796.1

**Human GeneID(s):** [57505](#)

### Immunogen

Peptide with sequence C-QHRARQAEPVQK, from the internal region of the protein sequence according to NP\_065796.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** In transfected 143B transiently expressing Human AARS2 a band of approx. 100kDa is observed. This band is barely visible in the non-transfected 143B. The calculated molecular size is 107kDa according to NP\_065796.1. Recommended concentration, 1-3µg/ml. An additional non-specific 26kDa was observed. We call for caution when used for other assays than Western blot.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

# overexpression

+

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100kDa

75kDa

50kDa

25kDa

Cell line 143B overexpressing Human AARS2 and probed with EB11432 (mock transfection in second lane).  
Data obtained from Henna.Tyynismaa, University of Helsinki, Finland.