

Product datasheet for TA339295

OriGene Technologies, Inc.

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valyl tRNA synthetase (VARS) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-VARS antibody: synthetic peptide directed towards the middle region

of human VARS. Synthetic peptide located within the following region: AQRLRERRAASGYPVKVPLEVQEADEAKLQQTEAELRKVDEAIALFQKML

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Protein A purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 140 kDa

Gene Name: valyl-tRNA synthetase

Database Link: NP 006286

Entrez Gene 7407 Human

P26640





Background: Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino

acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. The protein encoded by this gene belongs to class-I aminoacyl-tRNA synthetase family and is located in the class III region of the major histocompatibility complex. [provided

by RefSeq, Jul 2008]

Synonyms: G7A; VARS1; VARS2

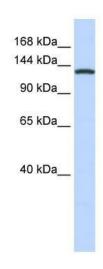
Note: Immunogen Sequence Homology: Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%;

Bovine: 100%; Rabbit: 100%; Rat: 93%; Guinea pig: 93%; Dog: 86%

Protein Families: Druggable Genome

Protein Pathways: Aminoacyl-tRNA biosynthesis, Valine, leucine and isoleucine biosynthesis

Product images:



WB Suggested Anti-VARS Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive Control: 721_B cell lysate.VARS is strongly supported by BioGPS gene expression data to be expressed in

Human 721_B cells