

## Product datasheet for **TA339295**

### 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: AQRLRERRAASGYPKVPLEVQEADAKLQQTEAELRKVDEAIALFQKML
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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:	<a href="#">NP_006286</a> <a href="#">Entrez Gene 7407 Human</a> <a href="#">P26640</a>



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**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