

Product datasheet for **TA339296**

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: VFDEFVDMDFGTGAVKITPAHDQNDYEVGQRHGLEAISIMDSRGALINVP
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:	NP_006286 Entrez Gene 7407 Human P26640



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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]

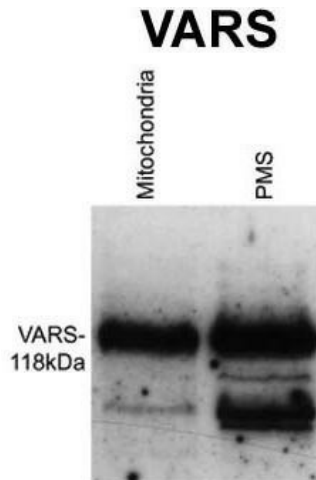
Synonyms: G7A; VARs1; VARs2

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Yeast: 86%; Zebrafish: 86%

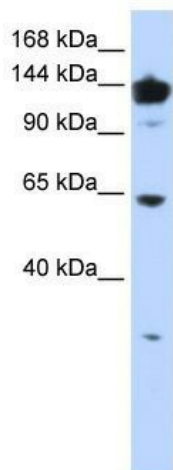
Protein Families: Druggable Genome

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

Product images:



Data Provided by Dr. Margarida Duarte, IBMC Portugal. The antibody in *Neurospora crassa* mitochondria and post-mitochondrial supernatants. In this filamentous fungus a single gene encodes cytosolic and mitochondrial valyl tRNA synthetase. We used a 1: 1000 dil



WB Suggested Anti-VARs Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: 721_B cell lysate. VARs is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells