

Product datasheet for **AP14679PU-N**

valyl tRNA synthetase (VARS) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human VARS.
Specificity:	This antibody reacts to VARS.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	valyl-tRNA synthetase
Database Link:	Entrez Gene 7407 Human P26640



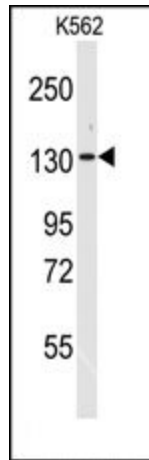
[View online »](#)

Background:

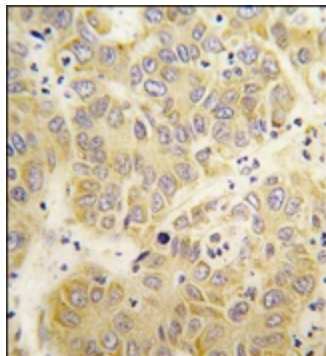
Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. This protein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

Synonyms:

VARS2, Valine-tRNA ligase, ValRS, G7A

Product images:

Western blot analysis of anti-VARS Antibody (N-term) in K562 cell line lysates (35ug/lane). VARS (arrow) was detected using the purified Pab (1:60dilution).



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with the VARS antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.