

VARS Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7843a

Specification

VARS Antibody (N-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	P26640
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	140476
Antigen Region	251-279

VARS Antibody (N-term) - Additional Information

Gene ID 7407

Other Names

Valine-tRNA ligase, Protein G7a, Valyl-tRNA synthetase, ValRS, VARS, G7A, VARS2

Target/Specificity

This VARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 251-279 amino acids from the N-terminal region of human VARS.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VARS Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VARS Antibody (N-term) - Protein Information

Name VARS1 ([HGNC:12651](#))

Synonyms G7A, VARS, VARS2

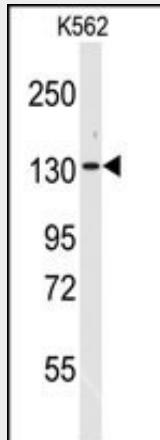
Function Catalyzes the attachment of valine to tRNA(Val).

VARS Antibody (N-term) - Protocols

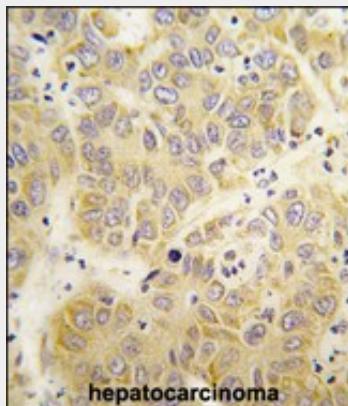
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VARS Antibody (N-term) - Images



Western blot analysis of anti-VARS Antibody (N-term) (Cat.#AP7843a) in K562 cell line lysates (35ug/lane). VARS (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with the VARS antibody (N-term) (Cat.#AP7834a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

VARS Antibody (N-term) - 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.

VARS Antibody (N-term) - References

Jiang,S., FEBS Lett. 579 (27), 6049-6054 (2005)
Bonnefond,L., Biochemistry 44 (12), 4805-4816 (2005)
Xie,T., Genome Res. 13 (12), 2621-2636 (2003)