

VARS Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7843c

Specification

VARS Antibody (Center) - Product Information

Application WB,E
Primary Accession P26640

Other Accession <u>Q04462</u>, <u>Q9Z1Q9</u>

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region
Human
Mouse, Rat
Rabbit
Polyclonal
Rabbit IgG
140476
679-707

VARS Antibody (Center) - 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 679-707 amino acids from the Central region of human VARS.

Dilution

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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

VARS Antibody (Center) - Protein Information

Name VARS1 (HGNC:12651)



Synonyms G7A, VARS, VARS2

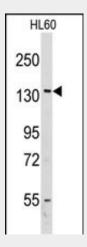
Function Catalyzes the attachment of valine to tRNA(Val).

VARS Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

VARS Antibody (Center) - Images



Western blot analysis of anti-VARS Antibody (Center) (Cat.#AP7843c) in HL60 cell line lysates (35ug/lane).VARS (arrow) was detected using the purified Pab.

VARS Antibody (Center) - 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 class-I aminoacyl-tRNA synthetase family and is located in the class III region of the major histocompatibility complex.

VARS Antibody (Center) - 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)