

**VARs Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7843c****Specification**

---

**VARs Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P26640](#)

**VARs Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 7407

**Other Names**

Valine--tRNA ligase, Protein G7a, Valyl-tRNA synthetase, ValRS, VARs, G7A, VARs2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7843c](/products/AP7843c) was selected from the Center region of human VARs. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**VARs Antibody (Center) Blocking Peptide - Protein Information**

**Name** VARs1 ([HGNC:12651](#))

**Synonyms** G7A, VARs, VARs2

**Function**

Catalyzes the attachment of valine to tRNA(Val).

**VARs Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**VARs Antibody (Center) Blocking Peptide - Images**

**VARs Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References**

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