

SPR Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9950b**Specification**

SPR Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P35270](#)

SPR Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6697

Other Names

Sepiapterin reductase, SPR, SPR

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.

SPR Antibody (C-term) Blocking Peptide - Protein Information

Name SPR

Function

Catalyzes the final one or two reductions in tetra- hydrobiopterin biosynthesis to form 5,6,7,8-tetrahydrobiopterin.

Cellular Location

Cytoplasm.

SPR Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SPR Antibody (C-term) Blocking Peptide - Images**SPR Antibody (C-term) Blocking Peptide - Background**

SPR encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine

derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH₄). Mutations in this gene result in DOPA-responsive dystonia due to sepiaterin reductase deficiency. A pseudogene has been identified on chromosome 1.

SPR Antibody (C-term) Blocking Peptide - References

Leu-Semenescu, S., et al. Sleep 33(3):307-314(2010) Schnetz-Boutaud, N.C., et al. Genes Brain Behav. 8(8):753-757(2009) Clot, F., et al. Brain 132 (PT 7), 1753-1763 (2009)