

STAR Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16547c**Specification**

STAR Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P49675](#)

STAR Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6770

Other Names

Steroidogenic acute regulatory protein, mitochondrial, StAR, START domain-containing protein 1, StARD1, STAR, STARD1

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.

STAR Antibody (Center) Blocking Peptide - Protein Information

Name STAR

Synonyms STARD1

Function

Plays a key role in steroid hormone synthesis by enhancing the metabolism of cholesterol into pregnenolone. Mediates the transfer of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane where it is cleaved to pregnenolone.

Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:P51557}.

Tissue Location

Expressed in gonads, adrenal cortex and kidney.

STAR Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

STAR Antibody (Center) Blocking Peptide - Images

STAR Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipoid adrenal hyperplasia (CLAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13.

STAR Antibody (Center) Blocking Peptide - References

Shi, F.T., et al. J. Clin. Endocrinol. Metab. 95 (10), E172-E180 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Mizutani, T., et al. J. Biol. Chem. 285(36):28240-28251(2010)Sahakitrungruang, T., et al. J. Clin. Endocrinol. Metab. 95(7):3352-3359(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :