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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 theacute regulation of steroid hormone synthesis by enhancing theconversion of cholesterol into pregnenolone. This protein permitsthe cleavage of cholesterol into pregnenolone by mediating thetransport of cholesterol from the outer mitochondrial membrane tothe inner mitochondrial membrane. Mutations in this gene are acause of congenital lipoid adrenal hyperplasia (CLAH), also calledlipoid 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) :