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SDS Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9041a

Specification

SDS Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P20132

SDS Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10993

Other Names
L-serine dehydratase/L-threonine deaminase, SDH, L-serine deaminase, L-threonine dehydratase, TDH, SDS, SDH

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9041a was selected from the N-term region of human SDS. 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.

SDS Antibody (N-term) Blocking Peptide - Protein Information

Name SDS

Synonyms SDH

Function
Catalyzes the pyridoxal-phosphate-dependent dehydrative deamination of L-threonine and L-serine to ammonia and alpha- ketobutyrate and pyruvate, respectively.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P09367}.

Tissue Location
Predominantly expressed in the perivenous regions of the liver.

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SDS Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SDS Antibody (N-term) Blocking Peptide - Images

SDS Antibody (N-term) Blocking Peptide - Background

SDS encodes one of three enzymes that are involved in metabolizing serine and glycine. L-serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH4+ and 2-ketobutyrate. The encoded protein is found predominantly in the liver.

SDS Antibody (N-term) Blocking Peptide - References

Yamada,T., et.al., Biochim. Biophys. Acta 1780 (5), 809-818 (2008)Szaflik,J.P., et.al., Exp. Eye Res. 86 (4), 647-652 (2008)