

GAPDHS Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP8610c

Specification

GAPDHS Antibody (Center) Blocking Peptide - Product Information

Primary Accession <u>014556</u>

GAPDHS Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26330

Other Names

Glyceraldehyde-3-phosphate dehydrogenase, testis-specific, Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2, GAPDH-2, Spermatogenic glyceraldehyde-3-phosphate dehydrogenase, GAPDHS, GAPD2, GAPDH2, GAPDS

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8610c was selected from the Center region of human GAPDHS. 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.

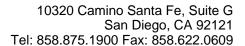
GAPDHS Antibody (Center) Blocking Peptide -

GAPDHS Antibody (Center) Blocking Peptide - Background

GAPDHS is a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility.

GAPDHS Antibody (Center) Blocking Peptide - References

Welch, J.E., et.al., J. Androl. 21 (2), 328-338 (2000) Goodwin, L.O., et.al., Mol. Hum. Reprod. 6 (2), 127-136 (2000) Benham, F.J. et.al., Genomics 5 (2), 209-214 (1989)





Protein Information

Name GAPDHS

Synonyms GAPD2, GAPDH2, GAPDS

Function

May play an important role in regulating the switch between different pathways for energy production during spermiogenesis and in the spermatozoon. Required for sperm motility and male fertility (By similarity).

Cellular Location Cytoplasm.

Tissue Location Testis specific.

GAPDHS Antibody (Center) Blocking Peptide - Protocols

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

• Blocking Peptides