

GAPDHS monoclonal antibody, clone Hs-8

Catalog # MAB0919

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ACRV1.
Immunogen	Native purified human GAPDHS.
Host	Mouse
Reactivity	Human, Pig
Specificity	The antibody Hs-8 reacts with GAPDHS, the sperm-specific glyceraldehyde phosphate dehydrogenase, previously identified under the general name "intra-acrosomal protein".
Form	Liquid
Isotype	IgM
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry
- Flow Cytometry

Gene Info — GAPDHS

Entrez GeneID [26330](#)

Gene Name GAPDHS

Gene Alias GAPD2, GAPDH-2, GAPDS, HSD-35

Gene Description glyceraldehyde-3-phosphate dehydrogenase, spermatogenic

Omim ID [609169](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes 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. [provided by RefSeq]

Other Designations glyceraldehyde-3-phosphate dehydrogenase, testis-specific|spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2

Publication Reference

- [Oxidation of glyceraldehyde-3-phosphate dehydrogenase decreases sperm motility in diabetes mellitus.](#)

Liu J, Wang Y, Gong L, Sun C.

Biochemical and Biophysical Research Communications 2015 Sep; 465(2):245.

Application: IF, Human, Sperms

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)