

Datasheet for ABIN7466997 **anti-GAPDHS antibody**



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Overview

Quantity:	100 µL
Target:	GAPDHS
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAPDHS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human GAPDHS. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GAPDHS
Alternative Name:	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic (GAPDHS Products)
Background:	Glyceraldehyde-3-phosphate dehydrogenase, spermatogenic , GAPD2 , GAPDH-2 , GAPDS , HEL-S-278 , HSD-35, This gene encodes a protein belonging to the glyceraldehyde-3-phosphate

Target Details

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]

Molecular Weight: 45 kDa

Gene ID: 26330

UniProt: [O14556](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: WB: 1:500-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: NIH-3T3 , MCF-7 , mouse testis

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.91 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.