

Rabbit GAPDHS Polyclonal Antibody | anti-GAPDHS antibody

GAPDHS Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287720	Rabbit	Human (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

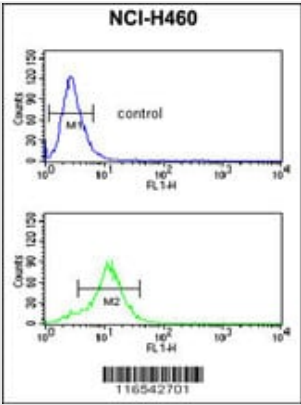
PRODUCT SYNONYMS

GAPDHS; Polyclonal Antibody; GAPDHS Antibody (Center); Glyceraldehyde-3-phosphate dehydrogenase; testis-specific; Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2; GAPDH-2; Spermatogenic glyceraldehyde-3-phosphate dehydrogenase; GAPD2; GAPDH2; GAPDS; anti-GAPDHS antibody

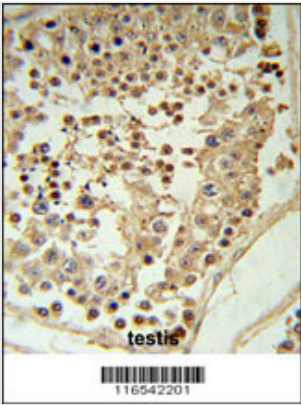
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GAPDHS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-134 amino acids from the Central region of human GAPDHS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	104-134
Sequence Length	408
Applicable Applications for anti-GAPDHS antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

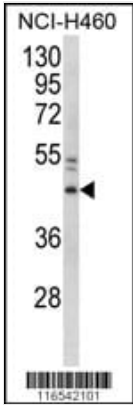
IMAGES



FCM/FACS (Flow Cytometry)
GAPDHS Antibody (Center) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
GAPDHS Antibody (Center) IHC analysis in formalin fixed and paraffin embedded testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GAPDHS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GAPDHS Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). GAPDHS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDHS antibody	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.
Product Categories/Family for anti-GAPDHS antibody	Cancer; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657116
NCBI GeneID	26330
NCBI Accession #	NP_055179.1
NCBI GenBank Nucleotide #	NM_014364.4

UniProt Accession #	O14556; O60823; Q6JTT9; Q9HCU6; B2RC82
Molecular Weight	44501
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase, testis-specific
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic
NCBI Official Symbol	GAPDHS
NCBI Official Synonym Symbols	GAPD2; GAPDS; HSD-35; GAPDH-2
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase, testis-specific
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific
UniProt Gene Name	GAPDHS
UniProt Synonym Gene Names	GAPD2; GAPDH2; GAPDS; GAPDH-2
UniProt Entry Name	G3PT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gapdhs-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287720>