



G3PT Polyclonal Antibody

Catalog No	YP-Ab-05604
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	GAPDHS GAPD2 GAPDH2 GAPDS HSD-35 HSD35
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	G3PT Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GAPD2;GAPDH 2;GAPDH2;GAPDHS;GAPDS;HSD 35;G3PT;GAPDHS GAPD2 GAPDH2 GAPDS HSD-35 HSD35;Glyceraldehyde-3-phosphate dehydrogenase; testis-specific (EC 1.2.1.12) (Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2) (GAPDH-2) (Spermatogenic glyceraldehyde-3-phosphate deh
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Testis specific.
Function	catalytic activity:D-glyceraldehyde 3-phosphate + phosphate + NAD(+) = 3-phospho-D-glyceroyl phosphate + NADH.,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.,pathway:Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.,similarity:Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.,subunit:Homotetramer.,tissue specificity:Testis specific.,



Background

glyceraldehyde-3-phosphate dehydrogenase, spermatogenic(GAPDHS) Homo sapiens 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, Jul 2008],

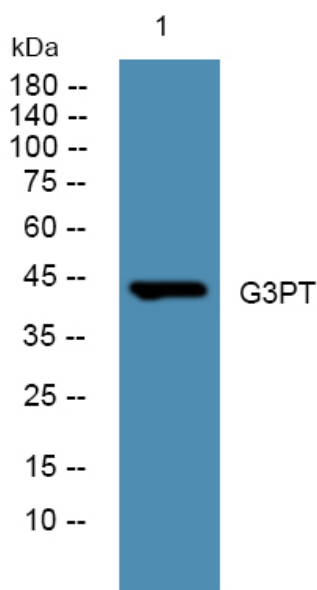
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night