



## Rabbit Anti-GAPDHS antibody

SL13282R

<b>Product Name:</b>	GAPDHS
<b>Chinese Name:</b>	精子3-磷酸甘油醛脱氢酶-2抗体
<b>Alias:</b>	GAPDH2; GAPD2; GAPDH 2; GAPDH 2; GAPDHS; GAPDS; Glyceraldehyde 3 phosphate dehydrogenase spermatogenic; Glyceraldehyde 3 phosphate dehydrogenase, testis specific; HSD 35; HSD35; Spermatogenic cell specific glyceraldehyde 3 phosphate dehydrogenase 2; Spermatogenic glyceraldehyde 3 phosphate dehydrogenase; G3PT HUMAN; HSD-35.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b> SL13282R has been referenced in 1 publications. [IF=2.09]Zhang, Jizheng, Hua Zhang, and Tingting Zi. "Overexpression of microRNA-141 relieves chronic constriction injury-induced neuropathic pain via targeting high-mobility group box 1." International Journal of Molecular Medicine. <b>WB;Rat.</b> <a href="#">PubMed:26398163</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	45kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GAPDHS:251-350/408
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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 an 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].</p> <p><b>Function:</b> 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.</p> <p><b>Subunit:</b> Homotetramer. Interacts with ARRB2; the interaction is detected in the nucleus upon OR1D2 stimulation.</p> <p><b>Subcellular Location:</b> Cytoplasm.</p> <p><b>Tissue Specificity:</b> Testis specific.</p> <p><b>Similarity:</b> Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.</p> <p><b>SWISS:</b> O14556</p> <p><b>Gene ID:</b> 26330</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 26330</a> Human</p> <p><a href="#">Entrez Gene: 14447</a> Mouse</p> <p><a href="#">Entrez Gene: 66020</a> Rat</p>

[Entrez Gene: 532231](#) Cow

[Oimim: 609169](#) Human

[SwissProt: Q2KJE5](#) Cow

[SwissProt: O14556](#) Human

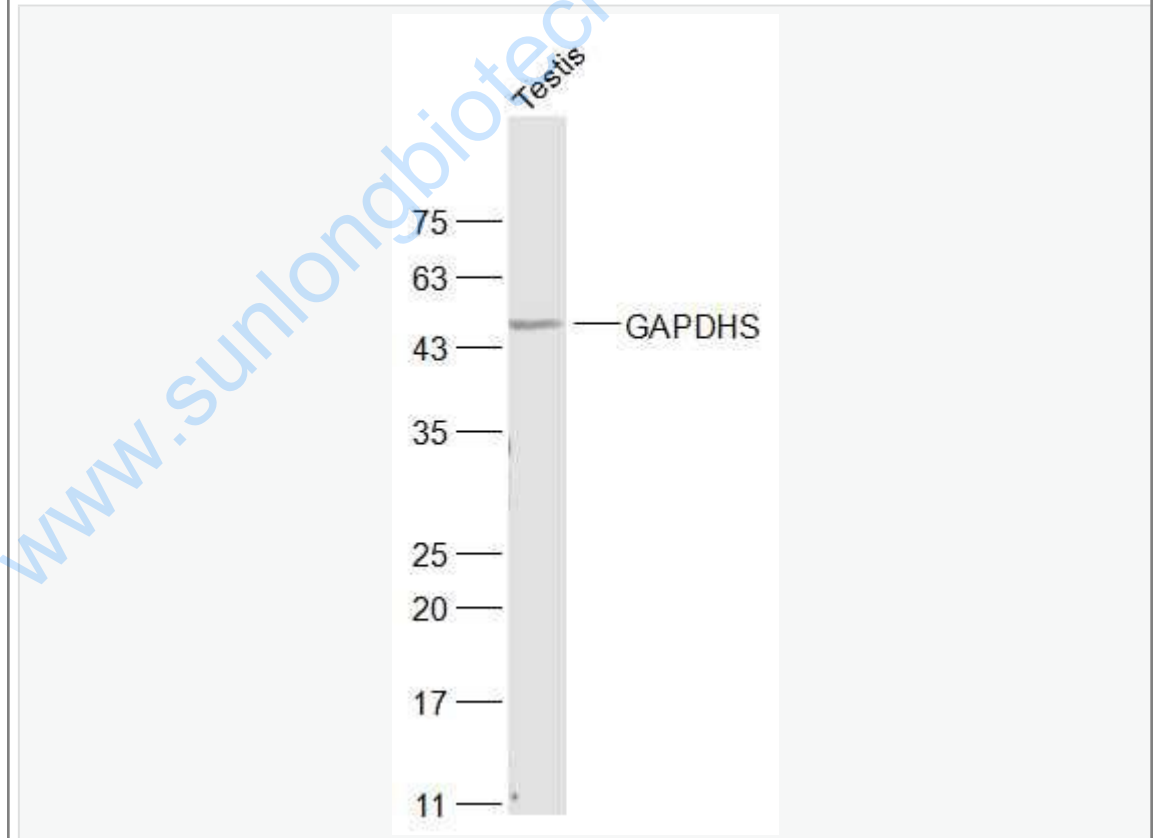
[SwissProt: Q64467](#) Mouse

[SwissProt: Q9ESV6](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

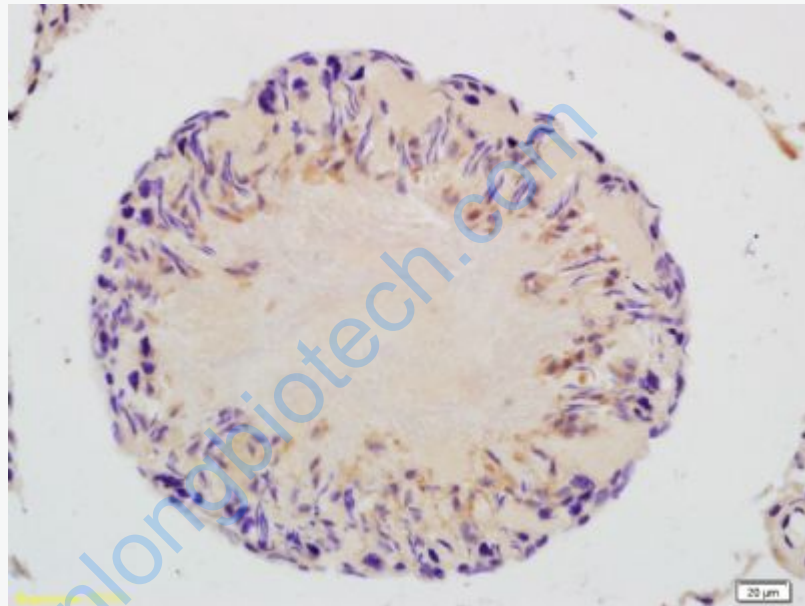
Testis (Mouse) Lysate at 40 ug

Primary: Anti-GAPDHS (SL13282R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45 kD

Observed band size: 47 kD



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-GAPDHS Polyclonal Antibody, Unconjugated(SL13282R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining