bs-13282R **[Primary Antibody]**

GAPDHS Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 26330 **SWISS:** O14556

Target: GAPDHS

Immunogen: KLH conjugated synthetic peptide derived from human GAPDHS: 251-350/408.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a protein belonging to theglyceraldehyde-3-phosphate dehydrogenase family of enzymes thatplay an important role in carbohydrate metabolism. Like its somaticcell counterpart, this sperm-specific enzyme functions in anicotinamide adenine dinucleotide-dependent manner to removehydrogen and add phosphate to glyceraldehyde 3-phosphate to form1,3-diphosphoglycerate. During spermiogenesis, this enzyme may playan important role in regulating the switch between differentenergy-producing pathways, and it is required for sperm motilityand male fertility. [provided by RefSeq, Jul 2008].

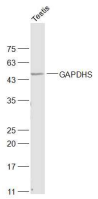
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human, Sheep, Cow, Dog, Horse)

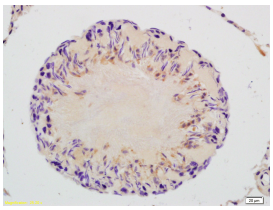
Predicted MW.: 45 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-GAPDHS (bs-13282R) 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(bs-13282R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=6.63]** Guo, Zhi-chen. et al. Porphyromonas gingivalis promotes the progression of oral squamous cell carcinoma by activating the neutrophil chemotaxis in the tumour microenvironment. CANCER IMMUNOL IMMUN. 2022 Dec;:1-17 WB ;Mouse. 36513851
- **[IF=4.068]** Ming Li. et al. ADAMTS12, a novel prognostic predictor, promotes cell proliferation, migration and invasion in head and neck squamous cell carcinoma. ORAL DIS. 2022 Oct;: WB ;Human. 36222542
- **[IF=4.2]** Pinglang Ruan. et al.GIMAP1 interacts with TMX1 to improve lung adenocarcinoma prognosis by influencing

tumor immune microenvironment.BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE.2025 Mar;1871(3):167661. Western blot ;Human. 39805394

- **[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. WB ;="Rat". 26398163
- **[IF=1.918]** Qingxin Fan. et al. Ginsenoside Rb1 Facilitates Browning by Repressing Wnt/β-Catenin Signaling in 3T3-L1 Adipocytes. Med Sci Monitor. 2021; 27: e928619-1–e928619-10 WB ;. 33503016