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## GAPDH (Fruit Fly) Rabbit pAb

Catalog Number: bs-8778R

Target Protein: GAPDH (Fruit Fly)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:2000-20000)

Reactivity: Fruit Fly

Predicted MW: 38 kDa

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

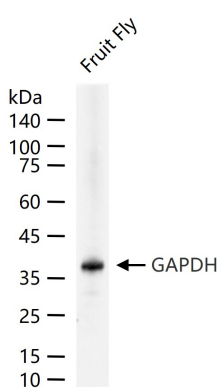
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: loading Control

Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. As well as functioning as a glycolytic enzyme in cytoplasm, recent evidence suggests that mammalian GAPDH is also involved in a great number of intracellular processes such as membrane fusion, microtubule bundling, phosphotransferase activity, nuclear RNA export, DNA replication, and DNA repair. During the last decade a lot of data appeared concerning the role of GAPDH in different pathologies including prostate cancer progression, programmed neuronal cell death, age related neuronal diseases, such as Alzheimer's and Huntington's disease. GAPDH is expressed in all cells. It is constitutively expressed in almost all tissues at high levels. There are however some physiological factors such as hypoxia and diabetes that increase GAPDH expression in certain cell types. GAPDH molecule is composed of four 36kDa subunits.

### VALIDATION IMAGES

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25 ug total protein per lane of various lysates (see on figure) probed with GAPDH (Fruit Fly) polyclonal antibody, unconjugated (bs-8778R) at 1:10000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=13.8]** Yong Zhang. et al. SmCSP4 from aphid saliva stimulates salicylic acid-mediated defence responses in wheat by interacting with transcription factor TaWKRY76. PLANT BIOTECHNOL J. 2023 Aug;: WB ; Wheat . 37540474

**[IF=8.8]** Wang Haibo. et al. PDZK1 confers sensitivity to sunitinib in clear cell renal cell carcinoma by suppressing the PDGFR- $\beta$  pathway. BRIT J CANCER. 2024 May;:1-14 WB ; Human . 38822145

**[IF=3.4]** Yixuan Liang. et al. Exosomes-mediated transmission of standard bovine viral diarrhea strain OregonC24Va in bovine trophoblast cells. J REPROD IMMUNOL. 2024 Aug;164:104254 WB ; Bovine . 38761508