

Anti-GAPDH Rabbit Pab Antibody

Cat #: D-AKE1021

Size: 50 µL / 200 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

GAPDH encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. Glyceraldehyde-3-phosphate dehydrogenase has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of GAPDH catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). Glyceraldehyde-3-phosphate dehydrogenase has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, Glyceraldehyde-3-phosphate dehydrogenase contains a peptide that has antimicrobial activity against *E. coli*, *P. aeruginosa*, and *C. albicans*. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants.

Product Information

Applications: WB, IHC-P

Suggested starting dilutions are as follows: WB (1:10000), IHC-P (1:200).

Isotype: Rabbit IgG

Reactivity: Human, Mouse, Rat, Rabbit, Chicken, Monkey, Sheep, Xneous

Formulation: Liquid

Concentration: 1 mg/mL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

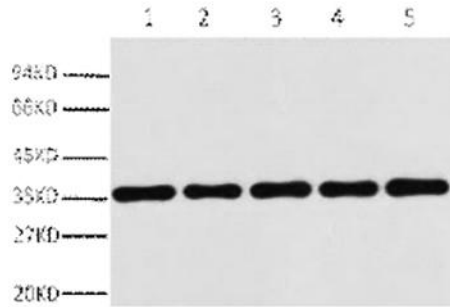


Fig. Western blot analysis of 293T (1), Rat brain (2), NIH 3T3 (3), Sheep Muscle (4), Rabbit testis (5), diluted at 1:20000. Secondary antibody was diluted at 1:20000.

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.