Customer service: service@abbkine.com
Technical support: support@abbkine.com
Website: https://www.abbkine.com

GAPDH Polyclonal Antibody

Cat #: ABP50163 Size: 30μl /100μl /200μl

Product Information

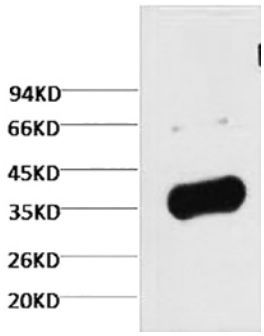
	Product Name: GAPDH Polyclonal Antibody		
	Applications: WB		**Isotype:** Rabbit IgG
	Reactivity: Zebrafish		
REF	**Catalog Number:** ABP50163	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	**Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000-1:5000).

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 Zebrafish skeletal muscle, diluted at 1:5000. 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. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.