



## Anti-GAPDH Rabbit Polyclonal Antibody

Cat #: ABL1021

Size: 50µl/200µl/200µl×5

### Product Information

	<b>Product Name:</b> Anti-GAPDH Rabbit Polyclonal Antibody		
	<b>Applications:</b> WB, IHC-P		<b>Isotype:</b> Rabbit IgG
	<b>Reactivity:</b> Human, Mouse, Rat, Rabbit, Chicken, Monkey, Sheep, Xneous		
<b>REF</b>	<b>Catalog Number:</b> ABL1021	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> 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 (1:10000), IHC-P (1:200).

**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.

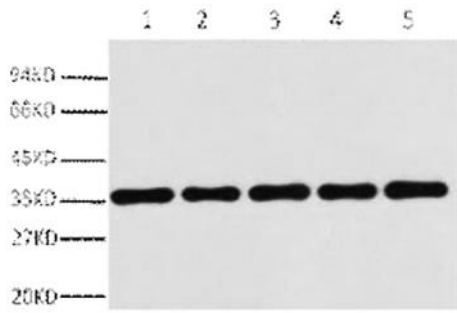


Fig. Western blot analysis of 293T (1), Rat brain (2), NIH 3T3 (3), Sheep Muscle (4), Rabbit testis (5), diluted at 1:20000. Secondary antibody was diluted at 1:20000.

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