BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GAPDH Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00764
Host	Rabbit
Isotype	IgG
Size	100ul, 50uL, 20ul
Immunogen	Recombinant Protein of GAPDH
Mol wt	N/A
Species reactivity	Human, Mouse, Rat, Rabbit, Chicken, Monkey, Sheep
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	
Full name	Glyceraldehyde-3-phosphate dehydrogenase
Synonyms	Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; GAPD; CDABP0047; OK/SW-cl.12; Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; Peptidyl-cysteine S-nitrosylase GAPDH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene 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). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein 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 transferri

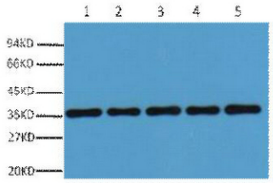
Recommended Dilution

WB: 1: 5000

IHC: 1: 200

Not yet tested in other applications.

Images



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

Storage

-20°C for 1 year

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