BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GAPDH Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15693
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of GAPDH
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
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

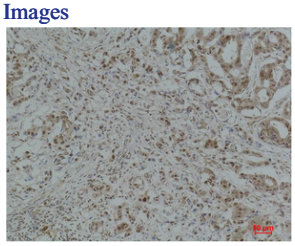
Recommended Dilution

WB: 1: 500 - 10000

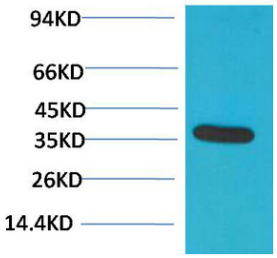
IHC: 1: 200 - 1: 500

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using GAPDH Polyclonal Antibody.



Western blot analysis of Hela using GAPDH Polyclonal Antibody. Secondary antibodywas diluted at 1:20000

Storage

-20°C for 1 year

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