

GAPDH Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09392
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Glyceraldehyde-3-phosphate dehydrogenase
Mol wt	N/A
Species reactivity	Zebrafish
Clonality	Polyclonal
Recommended application	WB
Concentration	N/A
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

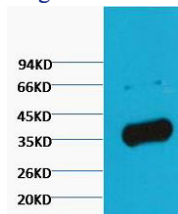
This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate 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: 2000 - 1: 5000

Not yet tested in other applications.

Images



Western blot analysis of Zebrafish skeletal muscle, diluted at 1:5000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year