



Anti-GAPDH polyclonal antibody (DPAB-DC1152)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. A similar protein in human and mouse has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein was originally identified as a key glycolytic enzyme that converts D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Subsequent studies in human and mouse have assigned a variety of additional functions to the protein including nitrosylation of nuclear proteins. Many pseudogenes similar to this locus are found throughout the rat genome.
Specificity	This antibody recognizes ~36 KDa bands corresponding to GAPDH.
Immunogen	A synthetic peptide corresponding to residues surrounding amino acids 317 of rat Gapdh.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate),
Format	Liquid
Size	100 µg
Buffer	In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal)
Preservative	None
Storage	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and

thawing.

GENE INFORMATION

Gene Name	Gapdh glyceraldehyde-3-phosphate dehydrogenase [Rattus norvegicus (Norway rat)]
Official Symbol	GAPDH
Synonyms	GAPDH; glyceraldehyde-3-phosphate dehydrogenase; Gapd; BARS-38; peptidyl-cysteine S-nitrosylase GAPDH; 38 kDa BFA-dependent ADP-ribosylation substrate;
Entrez Gene ID	24383
Protein Refseq	NP_058704
UniProt ID	P04797
Chromosome Location	4q42
Pathway	Alzheimers disease; Androgen Receptor Signaling Pathway; Biosynthesis of amino acids; Carbon metabolism
Function	NAD binding; NADP binding; glyceraldehyde-3-phosphate dehydrogenase (NAD+) (phosphorylating) activity; identical protein binding