



## Anti-GAPDH polyclonal antibody (DPAB-DC1152)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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-glycerol 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.
<b>Specificity</b>	This antibody recognizes ~36 KDa bands corresponding to GAPDH.
<b>Immunogen</b>	A synthetic peptide corresponding to residues surrounding amino acids 317 of rat Gapdh.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate),
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal)
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and

thawing.

## GENE INFORMATION

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