

GAPDH rabbit monoclonal antibody

Catalog # H00002597-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GAPDH peptide using ARM Technology.
Immunogen	A synthetic peptide of human GAPDH is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GAPDH peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GAPDH

Entrez GeneID	2597
GeneBank Accession#	GAPDH
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685
Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	138400
Gene Ontology	Hyperlink
Gene Summary	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 enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. [provided by RefSeq]
Other Designations	OTTHUMP00000174431 OTTHUMP00000174432 aging-associated gene 9 protein glyceraldehyde 3-phosphate dehydrogenase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Nerve Degeneration](#)
- [Osteoporosis](#)