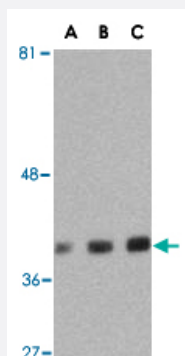


# GAPDH polyclonal antibody

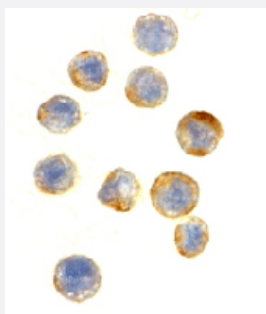
Catalog # PAB13195      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of GAPDH in HeLa cell lysate with GAPDH polyclonal antibody (Cat # PAB13195) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



### Immunocytochemistry

Immunocytochemistry staining of GAPDH in HeLa cells at a dilution of 10 ug/mL .

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of GAPDH.
<b>Immunogen</b>	A synthetic peptide corresponding to C-terminus 16 amino acids of human GAPDH.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of GAPDH in HeLa cell lysate with GAPDH polyclonal antibody (Cat # PAB13195) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry

- Immunocytochemistry

Immunocytochemistry staining of GAPDH in HeLa cells at a dilution of 10 ug/mL .

## Gene Info — GAPDH

Entrez GeneID	<a href="#">2597</a>
Protein Accession#	<a href="#">P04406</a>
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685
Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	<a href="#">138400</a>
Gene Ontology	<a href="#">Hyperlink</a>
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

## Publication Reference

- [Antitumor Activity of Amivantamab \(JNJ-61186372\), an EGFR-MET Bispecific Antibody, in Diverse Models of EGFR Exon 20 Insertion-Driven NSCLC.](#)

Jiyeon Yun, Soo-Hwan Lee, Seok-Young Kim, Seo-Yoon Jeong, Jae-Hwan Kim, Kyoung-Ho Pyo, Chae-Won Park, Seong Gu Heo, Mi Ran Yun, Sangbin Lim, Sun Min Lim, Min Hee Hong, Hye Ryun Kim, Meena Thayu, Joshua C Curtin, Roland E Knoblauch, Matthew V Lorenzi, Amy Roshak, Byoung Chul Cho

Cancer Discovery 2020 May; 10(8):1194.

Application: WB, Human, Mouse, Ba/F3, Mouse tumor, YU-1163 cells

- [Dried plum and chokeberry ameliorate d-galactose-induced aging in mice by regulation of PI3k/Akt-mediated Nrf2 and Nf-kB pathways.](#)

Jeong H, Liu Y, Kim HS.

Experimental Gerontology 2017 May; 95:16.

Application: WB-Ti, Mouse, Mouse liver

- [New nuclear functions of the glycolytic protein, glyceraldehyde-3-phosphate dehydrogenase, in mammalian cells.](#)

Sirover MA.

Journal of Cellular Biochemistry 2005 May; 95(1):45.

Application: IHC, WB, Human, Mouse, Mammalian cells

- [Glyceraldehyde-3-phosphate dehydrogenase, apoptosis, and neurodegenerative diseases.](#)

Chuang DM, Hough C, Senatorov VV.

Annual Review of Pharmacology and Toxicology 2005 Jan; 45:269.

Application: IF, IHC, Mouse, Mouse brains

## 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](#)