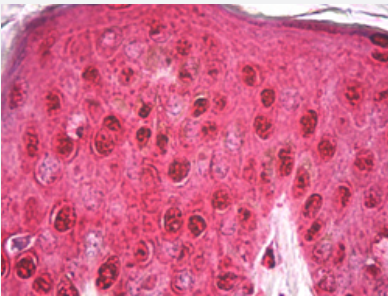


# GAPDH monoclonal antibody, clone 4G5

Catalog # MAB16299      Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with GAPDH monoclonal antibody, clone 4G5 (Cat # MAB16299).

## Specification

Product Description	Mouse monoclonal antibody raised against human GAPDH.
Immunogen	Human cardiac muscle GAPDH.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	ELISA Immunofluorescence Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide).

**Storage Instruction**

Store at 4°C. 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with GAPDH monoclonal antibody, clone 4G5 (Cat # MAB16299).
- Immunofluorescence
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GAPDH

**Entrez GeneID** [2597](#)

**Protein Accession#** [P04406](#)

**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](#)