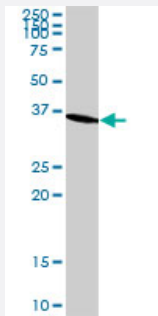


# GAPDH monoclonal antibody (M01A), clone 3C2

Catalog # H00002597-M01A

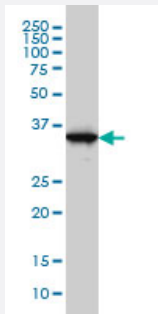
Size 200 uL

## Applications



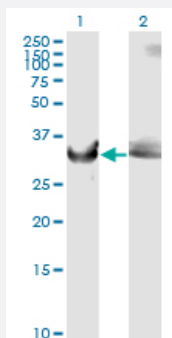
### Western Blot (Cell lysate)

GAPDH monoclonal antibody (M01A), clone 3C2. Western Blot analysis of GAPDH expression in HeLa ( Cat # L013V1 ).



### Western Blot (Cell lysate)

GAPDH monoclonal antibody (M01A), clone 3C2 Western Blot analysis of GAPDH expression in A-431 ( Cat # L015V1 ).

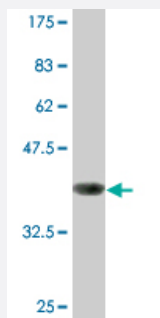


### Western Blot (Transfected lysate)

Western Blot analysis of GAPDH expression in transfected 293T cell line by GAPDH monoclonal antibody (M01A), clone 3C2.

Lane 1: GAPDH transfected lysate(36.1 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

|                                |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a partial recombinant GAPDH.                                              |
| <b>Immunogen</b>               | GAPDH (NP_002037, 226 a.a. ~ 335 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                | GKLTGMAFRVPTANVSVDLTCRLEKPAKYDDIKVVKQASEGPLKGILGYTEHQVVSSDFNSDT<br>HSSTFDAGAGIALNDHFVKLISWYDNEFGYSNRVVDLMAHMASKE   |
| <b>Host</b>                    | Mouse                                                                                                              |
| <b>Reactivity</b>              | Human, Mouse, Rat                                                                                                  |
| <b>Isotype</b>                 | IgG1 Kappa                                                                                                         |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) .           |
| <b>Storage Buffer</b>          | In ascites fluid                                                                                                   |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot (Cell lysate)

GAPDH monoclonal antibody (M01A), clone 3C2. Western Blot analysis of GAPDH expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

GAPDH monoclonal antibody (M01A), clone 3C2 Western Blot analysis of GAPDH expression in A-431 ( Cat # L015V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GAPDH expression in transfected 293T cell line by GAPDH monoclonal antibody (M01A), clone 3C2.

Lane 1: GAPDH transfected lysate(36.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — GAPDH

Entrez GeneID [2597](#)

GeneBank Accession# [NM\\_002046](#)

Protein Accession# [NP\\_002037](#)

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

## Publication Reference

- [Filamin A is reduced and contributes to the CASR sensitivity in human parathyroid tumors.](#)

Mingione A, Verdelli C, Ferrero S, Vaira V, Guarnieri V, Scillitani A, Vicentini L, Balza G, Beretta E, Terranegra A, Vezzoli G, Soldati L, Corbetta S.

Journal of Molecular Endocrinology 2016 Nov; 58(2):91.

Application: WB-Tr, Human, HEK 293 cells

## 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](#)