

## Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                                                | APPLICATIONS                     |
|-----------|-------|-----------------------------------------------------------|----------------------------------|
| AAA178011 | Mouse | Human, Rat, Bovine, Caprine, Guinea pig, Rabbit, Porcine, | Immunofluorescence, Western Blot |

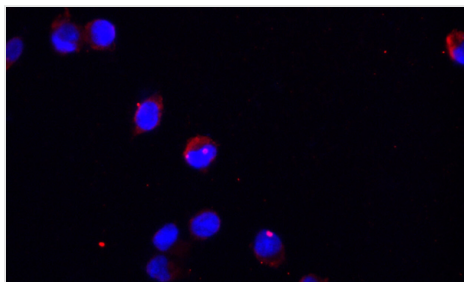
### PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH Monoclonal Antibody; aging associated gene 9 protein; BARS-38; cb609; G3PDH; GAPD; KNC-NDS6; OCAS; p38 component; anti-GAPDH antibody

### PRODUCT SPECIFICATIONS

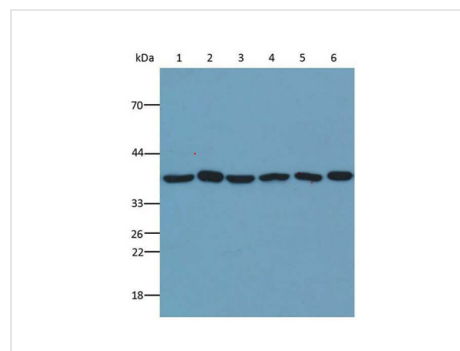
|                                                 |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Host                                            | Mouse                                                     |
| Reactivity                                      | Human, Rat, Bovine, Caprine, Guinea pig, Rabbit, Porcine, |
| Clonality                                       | Monoclonal                                                |
| Isotype                                         | IgG1                                                      |
| Purity/Purification                             | Protein A/G Purified                                      |
| Form/Format                                     | PBS with 0.1% sodium azide, 50% glycerol, pH 7.4          |
| Concentration                                   | 1mg/mL (varies by lot)                                    |
| Applicable Applications for anti-GAPDH antibody | IF (Immunofluorescence), WB (Western Blot)                |
| Immunogen                                       | Recombinant human GAPDH protein expressed by E Coli       |
| Conjugation                                     | Unconjugated                                              |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES



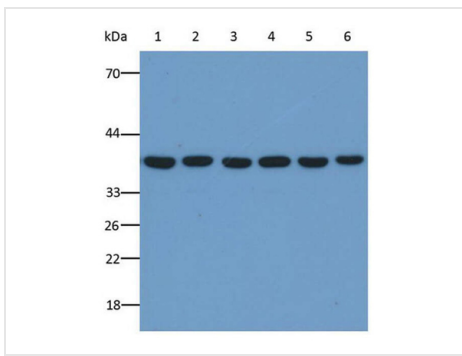
**IF (Immunofluorescence)**

Immunofluorescent analysis of 293F cells using anti-GAPDH monoclonal antibody at 1:400 dilution.



**WB (Western Blot)**

Western blot analysis of GAPDH in various tissues of different species at dilution of 1:5000. Lane1 : Rat heart, whole tissue lysate, Lane2: Porcine brain, whole tissue lysate, Lane3: Bovine kidney, whole tissue lysate, Lane4: Guinea pig liver, whole tissue lysate, Lane5: Rabbit pancreas, whole tissue lysate, Lane6: Caprine spleen, whole tissue lysate. Lysates/proteins at 20ug per lane.



#### WB (Western Blot)

Western Blot analysis of GAPDH in various cell lines at dilution of 1:5000. Lane1: DU145 whole cell lysate, Lane2: OS-RC-2 whole cell lysate, Lane3: T-47D whole cell Lysates, Lane4: HEC-1B whole cell lysate, Lane5: HepG2 whole cell lysate, Lane6: HEK-293 whole cell lysate. Lysates/proteins at 20ug per lane.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GAPDH antibody</b> | GAPDH is an enzyme of 37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. Because the GAPDH gene is often stably and constitutively expressed at high levels in most tissues and cells, it is commonly used as a loading control for western blot and as a control for qPCR. |
| <b>Product Categories/Family for anti-GAPDH antibody</b>   | Cancer; Metabolism; Signal Transduction; Control Antibody                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| <b>NCBI GI #</b>                        | 169403947                                       |
| <b>NCBI GeneID</b>                      | 317743                                          |
| <b>NCBI Accession #</b>                 | NP_001108586.1                                  |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001115114.1                                  |
| <b>UniProt Accession #</b>              | Q5XJ10; Q1RM54                                  |
| <b>Molecular Weight</b>                 | 35,784 Da                                       |
| <b>NCBI Official Full Name</b>          | glyceraldehyde-3-phosphate dehydrogenase        |
| <b>NCBI Official Synonym Full Names</b> | glyceraldehyde-3-phosphate dehydrogenase        |
| <b>NCBI Official Symbol</b>             | gapdh                                           |
| <b>NCBI Official Synonym Symbols</b>    | gapd; cb609; mg:bb02e05; wu:fb33a10; wu:ft80f05 |
| <b>NCBI Protein Information</b>         | glyceraldehyde-3-phosphate dehydrogenase        |
| <b>UniProt Protein Name</b>             | Glyceraldehyde-3-phosphate dehydrogenase        |
| <b>UniProt Gene Name</b>                | <b>gapdh</b>                                    |
| <b>UniProt Synonym Gene Names</b>       | GAPDH                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/gapdh-antibody-immunofluorescence-western-blot-elisa/178011>