

## GAPDH recombinant antibody

GAPDH Rabbit mAb

| CATALOG # | HOST   | REACTIVITY                                   | APPLICATIONS                                                                                                  |
|-----------|--------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| AAA314967 | Rabbit | Human, Mouse, Rat, Chicken, Cow, Dog, Monkey | Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

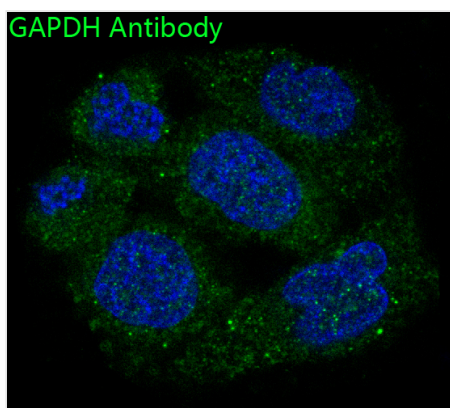
### PRODUCT SYNONYMS

GAPDH; Monoclonal Recombinant Antibody; GAPDH Rabbit mAb; aging-associated gene 9 protein; G3P; G3PD; GAPD; glyceraldehyde 3-phosphate dehydrogenase; Glyceraldehyde-3-phosphate dehydrogenase; MGC88685; GAPDH recombinant antibody

### PRODUCT SPECIFICATIONS

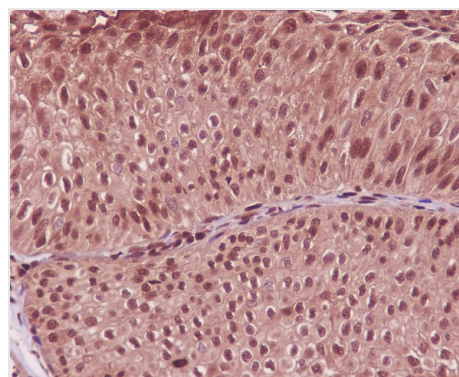
|                                                        |                                                                                                                              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                                       |
| Reactivity                                             | Human, Mouse, Rat, Chicken, Cow, Dog, Monkey                                                                                 |
| Clonality                                              | Monoclonal                                                                                                                   |
| Isotype                                                | Rabbit IgG                                                                                                                   |
| Specificity                                            | GAPDH Antibody detects endogenous levels of total GAPDH                                                                      |
| Purity/Purification                                    | Affinity-chromatography                                                                                                      |
| Form/Format                                            | Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                             |
| Applicable Applications for GAPDH recombinant antibody | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                              | A synthesized peptide derived from human GAPDH                                                                               |
| Preparation and Storage                                | Store at +4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.                                   |

### IMAGES



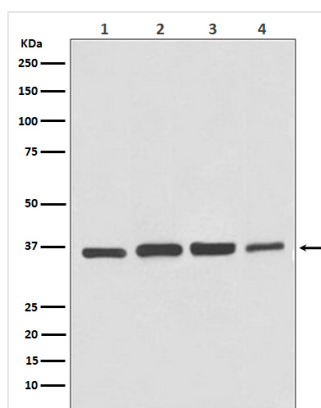
**IF (Immunofluorescence)**

Immunofluorescent analysis of HeLa cells, using GAPDH Antibody.



**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human bladder cancer, using GAPDH Antibody.



#### WB (Western Blot)

Western blot analysis of GAPDH expression in (1) HeLa cell lysate; (2) MDBK cell lysate; (3) COS-1 cell lysate; (4) MDCK cell lysate with GAPDH Antibody.

## ADDITIONAL INFORMATION

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for GAPDH recombinant antibody</b> | Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. GAPDH is constitutively abundant expressed in almost cell types at high levels, therefore antibodies against GAPDH are useful as loading controls for Western Blotting. Some pathology factors, such as hypoxia and diabetes, increased or decreased GAPDH expression in certain cell types. |
| <b>Product Categories/Family for GAPDH recombinant antibody</b>   | <a href="#">Recombinant Rabbit Monoclonal</a>                                                                                                                                                                                                                                                                                                                                                                 |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">378404908</a>                                                                                           |
| <b>NCBI GeneID</b>                      | <a href="#">2597</a>                                                                                                |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001243728.1</a>                                                                                      |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001256799.1</a>                                                                                      |
| <b>UniProt Accession #</b>              | <a href="#">P04406</a> ; <a href="#">P00354</a> ; <a href="#">Q53X65</a>                                            |
| <b>Molecular Weight</b>                 | 36,053 Da                                                                                                           |
| <b>NCBI Official Full Name</b>          | glyceraldehyde-3-phosphate dehydrogenase isoform 2                                                                  |
| <b>NCBI Official Synonym Full Names</b> | glyceraldehyde-3-phosphate dehydrogenase                                                                            |
| <b>NCBI Official Symbol</b>             | GAPDH                                                                                                               |
| <b>NCBI Official Synonym Symbols</b>    | G3PD; GAPD                                                                                                          |
| <b>NCBI Protein Information</b>         | glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase<br>GAPDH |
| <b>UniProt Protein Name</b>             | Glyceraldehyde-3-phosphate dehydrogenase                                                                            |
| <b>UniProt Gene Name</b>                | <b>GAPDH</b>                                                                                                        |
| <b>UniProt Synonym Gene Names</b>       | GAPD; GAPDH                                                                                                         |
| <b>UniProt Entry Name</b>               | G3P_HUMAN                                                                                                           |

**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.

