

## Mouse GAPDH Monoclonal Antibody | anti-Gapdh antibody

Anti-GAPDH (GA1R) Loading Control Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                                                                                                                                                                | APPLICATIONS                                                                                 |
|-----------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| AAA74305  | Mouse | GAPDH from BL-21 bacteria, Sf9 insect, Saccharomyces cerevisiae (yeast), human, mouse, rat, rabbit, chicken, and hamster. GAPDH from other species may also be detectable | Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, ELISA, Dot Blot |

### PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; Anti-GAPDH (GA1R) Loading Control Monoclonal Antibody; Anti-GAPDH; anti-Gapdh antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity                                      | GAPDH from BL-21 bacteria, Sf9 insect, Saccharomyces cerevisiae (yeast), human, mouse, rat, rabbit, chicken, and hamster. GAPDH from other species may also be detectable                                                                                                                                                                                                                                                                                      |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                         | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone Number                                    | GA1R                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                     | Recognizes native and denatured forms of GAPDH (~37kDa)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A affinity chromatography from mouse ascites fluid                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                     | Liquid: 1mg/ml in 10mM PBS, pH 7.2, with 0.05% NaN <sub>3</sub> .<br>Lyophilized: 1mg/ml Lyophilized in 10mM PBS, pH 7.2, with 1% BSA and 0.05% NaN <sub>3</sub> .                                                                                                                                                                                                                                                                                             |
| Sequence Length                                 | 333                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-Gapdh antibody | WB (Western Blot), IS (Immunostaining), ELISA, DB (Dot Blot)                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | Recombinant GAPDH                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                         | Liquid: Store at -20 degree C for 2 years or more. Centrifuge after first thaw to maximize product recovery. Aliquot to avoid repeated freeze-thaw cycles. Store aliquots at 4 degree C for several days to weeks.<br><br>Lyophilized: Store at -20 degree C for 3 years or more. Reconstitute with distilled water to desired concentration before use. Aliquot to avoid repeated freeze-thaw cycles. Store aliquots at 4 degree C for several days to weeks. |

### IMAGES



#### Application Data

Fig. 02 LEFT: 1:2000 (0.5ug/mL) Ab dilution used in WB of 5ug/lane tissue lysates from human (1), mouse (2), rat (3), rabbit (4), chicken (5), and hamster (6). RIGHT: WB from BL-21 bacteria (1), Sf9 insect (2), and Saccharomyces cerevisiae (3)



#### Application Data

Fig. 01 EBI's three loading control mAbs reacting against 10ug/lane of mouse brain tissue lysates. 50kDa band is Anti-beta-Tubulin (BT7R) at 1:2000 dilution (0.5ug/mL); 42kDa band is Anti-beta-Actin (BA3R) at 1:1000 dilution (1ug/mL); 37kDa band is Anti-GAPDH (GA1R) at 1:5000 dilution (0.2ug/mL)

ADDITIONAL INFORMATION

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Product Categories/Family for anti-Gapdh antibody | Loading Control mAbs |
|---------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 122065190                                                                                                                                 |
| NCBI GeneID                      | 24383                                                                                                                                     |
| UniProt Accession #              | P04797; P09328; Q5M916; Q9QWU4                                                                                                            |
| Molecular Weight                 | 35,828 Da                                                                                                                                 |
| NCBI Official Full Name          | Glyceraldehyde-3-phosphate dehydrogenase                                                                                                  |
| NCBI Official Synonym Full Names | glyceraldehyde-3-phosphate dehydrogenase                                                                                                  |
| NCBI Official Symbol             | Gapdh                                                                                                                                     |
| NCBI Official Synonym Symbols    | Gapd                                                                                                                                      |
| NCBI Protein Information         | glyceraldehyde-3-phosphate dehydrogenase; BARS-38; peptidyl-cysteine S-nitrosylase GAPDH; 38 kDa BFA-dependent ADP-ribosylation substrate |
| UniProt Protein Name             | Glyceraldehyde-3-phosphate dehydrogenase                                                                                                  |
| UniProt Gene Name                | <b>Gapdh</b>                                                                                                                              |
| UniProt Synonym Gene Names       | Gapd; GAPDH                                                                                                                               |
| UniProt Entry Name               | G3P_RAT                                                                                                                                   |

**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://stage.aaabiotech.com/monoclonal/gapdh-antibody-clone-ga1r-western-blot-immunostaining-dot-blot-elisa/74305>