

## Mouse GFAP Monoclonal Antibody | anti-GFAP antibody

GFAP (Astrocyte &amp; Neural Stem Cell Marker) Mouse Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                                   | APPLICATIONS                                                                             |
|-----------|-------|----------------------------------------------|------------------------------------------------------------------------------------------|
| AAA62829  | Mouse | Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken | Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay |

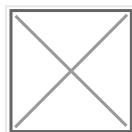
### PRODUCT SYNONYMS

GFAP; Monoclonal Antibody; GFAP (Astrocyte & Neural Stem Cell Marker) Mouse Monoclonal Antibody; Astrocyte or Intermediate Filament Protein; Glial Fibrillary Acidic Protein (GFAP); anti-GFAP antibody

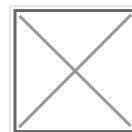
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clone Number                                   | GA-5 + ASTRO/789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                                    | This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS. |
| Form/Format                                    | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length                                | 431                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-GFAP antibody | IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization                          | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                      | GFAP isolated from pig spinal cord (GA-5); Recombinant GFAP protein (ASTRO/789)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hu-Chromosome Location                         | 17q21.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Positive Control                               | Brain or Astrocytoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                        | Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES


**IHC (Immunohistochemistry)**

Formalin-fixed, paraffin-embedded human Schwannoma stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).


**IHC (Immunohistochemistry)**

Formalin-fixed, paraffin-embedded Rat Cerebellum stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (GA-5 + ASTRO/789).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | McLendon, R.E. and Bigner, D.D. 1994. Immunohistochemistry of the glial fibrillary acidic protein: basic and applied considerations. Brain Pathol. 4: 221-228. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 196115290                                                                                      |
| NCBI GeneID                      | 2670                                                                                           |
| NCBI Accession #                 | NP_001124491.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001131019.2                                                                                 |
| UniProt Accession #              | P14136; Q53H98; Q5D055; Q6ZQS3; Q7Z5J6; Q7Z5J7; Q96KS4; Q96P18; Q9UFD0; B2RD44; D3DX59; E9PAX3 |
| Molecular Weight                 | ~50kDa                                                                                         |
| NCBI Official Full Name          | glial fibrillary acidic protein isoform 2                                                      |
| NCBI Official Synonym Full Names | glial fibrillary acidic protein                                                                |
| NCBI Official Symbol             | GFAP                                                                                           |
| NCBI Official Synonym Symbols    | ALXDRD                                                                                         |
| NCBI Protein Information         | glial fibrillary acidic protein                                                                |
| UniProt Protein Name             | Glial fibrillary acidic protein                                                                |
| UniProt Gene Name                | GFAP                                                                                           |
| UniProt Synonym Gene Names       | GFAP                                                                                           |
| UniProt Entry Name               | GFAP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfap-antibody-clone-ga-5-astro-789-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62829>