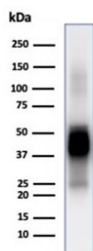


## GFAP Antibody / Glial Fibrillary Acidic Protein [clone GFAP/6884] (V4004)

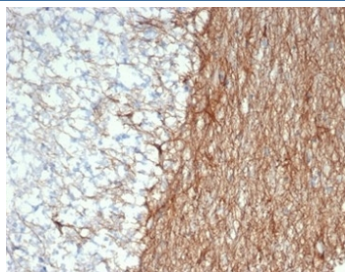
| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V4004-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4004-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4004SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

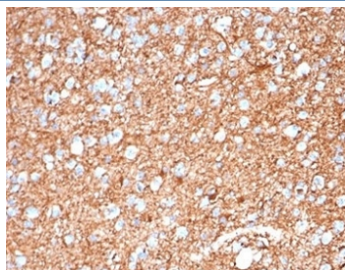
|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                 |
| <b>Species Reactivity</b> | Human                                                             |
| <b>Format</b>             | Purified                                                          |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                         |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                 |
| <b>Clone Name</b>         | GFAP/6884                                                         |
| <b>Purity</b>             | Protein A/G affinity                                              |
| <b>UniProt</b>            | P14136                                                            |
| <b>Localization</b>       | Cytoplasm                                                         |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml |
| <b>Limitations</b>        | This GFAP antibody is available for research use only.            |



Western blot testing of human brain tissue lysate using GFAP antibody (clone GFAP/6884). Predicted molecular weight ~50 kDa.

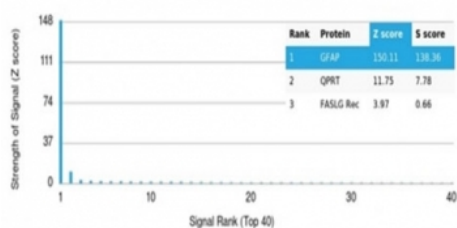


IHC staining of FFPE human cerebellum tissue with GFAP antibody (clone GFAP/6884). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human brain tissue with GFAP antibody (clone GFAP/6884). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using GFAP antibody (clone GFAP/6884). These results demonstrate the foremost specificity of the GFAP/6884 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

This MAbs 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.

## Application Notes

Optimal dilution of the GFAP antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 150-250 from the human GFAP protein was used as the immunogen for the GFAP antibody.

## Storage

Aliquot the GFAP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

