Goat polyclonal to GFAP

Catalog Number: NB100-53809

Background: Glial fibrillary acidic protein (GFAP) is a member of the class III intermediate filament protein family. It is heavily and specifically expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non-myelinating Schwann cells in peripheral nerves. In addition neural stem cells frequently strongly express GFAP. Antibodies to GFAP are therefore very useful as markers of astrocytic cells. In addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP.

Alternate Names: anti-GFAP antibody, anti-glial fibrillary acidic protein antibody, anti-FLJ45472 antibody, anti-intermediate filament protein antibody

Host: Goat

Immunogen: Synthetic peptide, C-DGEVIKESKQEHKD, representing the C Terminus of the human protein according to NP_002046.1

Isotype: IgG

Species Reactivity: Human. Other species not tested.

Homology: Human, Mouse, Rat, Dog

Uses: Peptide ELISA: antibody detection limit dilution 1:32,000. Western Blot: Approx 48kDa band observed in Mouse Brain lysates (calculated MW of 49.8kDa according to mouse NP_034407.2 and human NP_002046.1). Recommended concentration: 1-3ug/ml. * Other applications have not been tested.

Dilutions: Suggested working dilutions *

ELISA
Western Blot
* Investigator should determine optimal working dilutions.

Positive Controls: Mouse Brain lysate

Packaging: 0.1 mg of antigen affinity purified antisera

Concentration: 0.5 mg/ml

Buffer: Tris-saline [ pH7.3] with 0.5% BSA

Preservative: 0.02% sodium azide

Storage: Aliquot and store at -20 degrees C. Minimize freezing and thawing.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.


Gene Id: 2670
Gene System: GFAP

Image(s)

NB100-53809 (0.03µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.