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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GFAP (h2): 293T Lysate: sc-115582

BACKGROUND

Glial fibrillary acidic protein, or GFAP, is an intermediate filament (IF) protein belonging to the type III subclass of IF proteins. Like other IF proteins, GFAP is composed of an amino terminal head domain, a central rod domain and a carboxy terminal tail domain. GFAP is specifically found in astroglia, a cell type which is highly responsive to neurologic insults. Astrogliosis is found to be a result of mechanical trauma, AIDS dementia, prion infection and inflammatory demyelination diseases, and is accompanied by an increase in GFAP expression. GFAP is an immunohistochemical marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system.

REFERENCES

1. Herpers, M.J., Ramaekers, F.C., Aldeweireldt, J., Moesker, O. and Slooff, J. 1986. Co-expression of glial fibrillary acidic protein- and Vimentin-type intermediate filaments in human astrocytomas. *Acta Neuropathol.* 70: 333-339.
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5. Inagaki, M., Nakamura, Y., Takeda, M., Nishimura, T. and Inagaki, N. 1994. Glial fibrillary acidic protein: dynamic property and regulation by phosphorylation. *Brain Pathol.* 4: 239-243.
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7. Laping, N.J., et al. 1994. Glial fibrillary acidic protein: regulation by hormones, cytokines and growth factors. *Brain Pathol.* 4: 259-275.
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CHROMOSOMAL LOCATION

Genetic locus: GFAP (human) mapping to 17q21.31.

PRODUCT

GFAP (h2): 293T Lysate represents a lysate of human GFAP transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

GFAP (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive GFAP antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

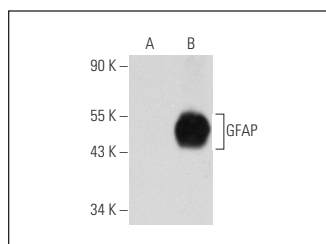
GFAP (F-7): sc-166458 is recommended as a positive control antibody for Western Blot analysis of enhanced human GFAP expression in GFAP transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

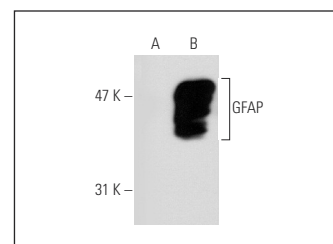
To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



GFAP (F-7): sc-166458. Western blot analysis of GFAP expression in non-transfected: sc-117752 (A) and human GFAP transfected: sc-115582 (B) 293T whole cell lysates.



GFAP (GF5): sc-51908. Western blot analysis of GFAP expression in non-transfected: sc-117752 (A) and human GFAP transfected: sc-115582 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.