

Phospho-GFAP(S8) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3562a

Specification

Phospho-GFAP(S8) Antibody - Product Information

Application	DB,E
Primary Accession	P14136
Other Accession	NP_002046
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49880

Phospho-GFAP(S8) Antibody - Additional Information

Gene ID 2670

Other Names

Glial fibrillary acidic protein, GFAP, GFAP

Target/Specificity

This GFAP Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S8 of human GFAP.

Dilution

DB~~1:500

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Phospho-GFAP(S8) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-GFAP(S8) Antibody - Protein Information

Name GFAP

Function GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.

Cellular Location

Cytoplasm. Note=Associated with intermediate filaments

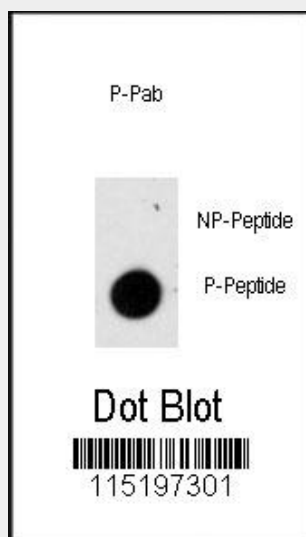
Tissue Location

Expressed in cells lacking fibronectin.

Phospho-GFAP(S8) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-GFAP(S8) Antibody - Images

Dot blot analysis of anti-Phospho-GFAP-S8 Antibody (Cat.#AP3562a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Phospho-GFAP(S8) Antibody - Background

GFAP is one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system.

Phospho-GFAP(S8) Antibody - References

- Quintanar, J.L., et al., Parasitol. Res. 90(4):261-263 (2003).
Shiroma, N., et al., Brain Dev. 25(2):116-121 (2003).
Nielsen, A.L., et al., J. Biol. Chem. 277(33):29983-29991 (2002).
Namekawa, M., et al., Ann. Neurol. 52(6):779-785 (2002).

Lopez-Egido, J., et al., Exp. Cell Res. 278(2):175-183 (2002).

Phospho-GFAP(S8) Antibody - Citations

- [Analysis of Chaperone-Mediated Autophagy.](#)