Anti-GFAP Antibody, Polyclonal

Antibodies

Catalog #60128

Rabbit polyclonal antibody against human, mouse, rat GFAP (glial fibrillary acidic protein), unconjugated

200 µL

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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713
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Product Description

The anti-GFAP antibody reacts with glial fibrillary acidic protein (GFAP), an ~55 kDa type III intermediate filament protein. GFAP is a differentiation marker for astrocytes, localized in normal central nervous system tissuem, and certain tumor and metastases of the glial antigen. This antibody is suitable for immunofluorescent labeling of cultured mammalian cells.

Target Antigen Name:	GFAP (Glial Fibrillary Acidic Protein)
Alternative Names:	Glial fibrillary acidic protein
Gene ID:	2670 (human), 24387 (rat)
Species Reactivity:	Human, Mouse, Rat, Cat
Host Species:	Rabbit
Clonality:	Polyclonal
Clone:	Not applicable
Isotype:	Not applicable
Immunogen:	GFAP from human brain
Conjugate:	Unconjugated

Applications

Verified:	IHC, WB
Reported:	ICC, IF, IHC, WB

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Phosphate-buffered saline, pH 7.4, containing 15 mM sodium azide
Purification:	The antibody was purified by column chromatography.
Stability and Storage:	Product stable 2 - 8°C for 1 month when stored undiluted. For longer-term storage, aliquot and store at -20°C. After thawing aliquots, do not re-freeze. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use:	The suggested use of this antibody is: IHC, 1:80 - 1:400 dilution; WB, 1:500 dilution. It is recommended that the antibody be titrated for optimal performance for each application. For further instructions on how to use this antibody, refer to the Technical Manual: In Vitro Proliferation and Differentiation of Human Neural Stem and Progenitor Cells Using NeuroCult™ or NeuroCult™-XF (Document #28724) available on our website at www.stemcell.com.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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3. Wagner JP et al. (2014) Skin-derived precursors generate enteric-type neurons in aganglionic jejunum. J Pediatr Surg 49(12): 1809–14. (IHC)
4. Ghazi SO et al. (2012) Cell of origin determines tumor phenotype in an oncogenic Ras/p53 knockout transgenic model of high-grade glioma. J Neuropathol Exp Neurol 71(8): 729–40. (IF, IHC, WB)
5. Baghbaderani BA et al. (2011) New bioengineering insights into human neural precursor cell expansion in culture. Biotechnol Prog 27(3): 776–87. (ICC, IF)