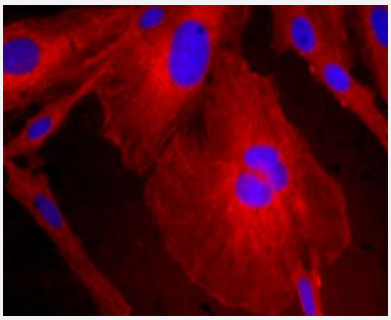
GFAP monoclonal antibody, clone SB61b (HRP)

Catalog # MAB5897 Size

Applications



Immunofluorescence

The CCF-STTG1 cell line was fixed with 5% acetic acid methanol solution for 30 minutes followed by 5% bovine serum PBS blocking. Cells were permeabilized by 0.1% Triton X PBS for 15 minutes prior to staining with GFAP monoclonal antibody, clone SB61b (CY3) (Cat # MAB5899). Cells were then fixed and the slide was mounted with DAPI-Fluormount-G.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant GFAP.
Immunogen	Recombinant protein corresponding to human GFAP.
Host	Mouse
Reactivity	Human
Specificity	human GFAP (~ 50 KDa).
Form	Liquid
Conjugation	HRP
Concentration	Lot specific
Isotype	IgG2b, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunofluorescence

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Gene Info — GFAP

Entrez GeneID	2670
Gene Name	GFAP
Gene Alias	FLJ45472
Gene Description	glial fibrillary acidic protein
Omim ID	137780 203450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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 g ene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alterna tive splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq
Other Designations	-

Publication Reference

- Expression of vimentin and glial fibrillary acidic protein in human developing spinal cord.

  Lukas Z, Draber P, Bucek J, Dráberova E, Viklicky V, Staskova Z.

  The Histochemical Journal 1989 Dec; 21(12):693.

  Application: IF, IHC-Fr, WB-Ti, Human, CG/343 MG cells, Human brain, Human embryo, Human spinal cord, U333 cells

Disease

- Alzheimer disease
- Cognition