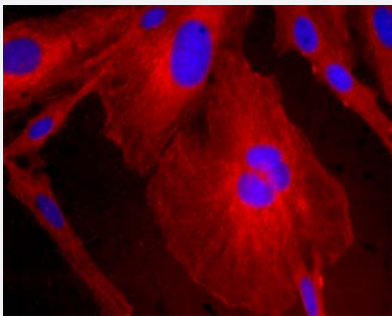


GFAP monoclonal antibody, clone SB61b

Catalog # MAB3336 Size 500 ug

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 are permeabilized by 0.1% Triton X PBS for 15 mines before and stained with GFAP monoclonal antibody, clone SB61b (Cat # MAB3336) and then cells were fixed. (The cell washing buffer was 0.15% tween 20 in PBS.) Finally the slide was mounted with Fluormount-G contained DAPI.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant GFAP.
Immunogen	Recombinant protein corresponding to human GFAP.
Host	Mouse
Reactivity	Human
Specificity	Reacts with human GFAP (~ 50 KDa).
Form	Liquid
Isotype	IgG2b
Recommend Usage	Western Blot (2 ug/mL) Immunohistochemistry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.0
Storage Instruction	Store at 4°C.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- 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 are permeabilized by 0.1% Triton X PBS for 15 mins before and stained with GFAP monoclonal antibody, clone SB61b (Cat # MAB3336) and then cells were fixed. (The cell washing buffer was 0.15% tween 20 in PBS.) Finally the slide was mounted with Fluormount-G contained DAPI.

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 gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Environmental enrichment rescues DYRK1A activity and hippocampal adult neurogenesis in TgDyrk1A.](#)

Pons-Espinal M, Martinez de Lagran M, Dierssen M.

Neurobiology of Disease 2013 Dec; 60:18.

Application: IF, Mouse, Brain

- [Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease.](#)

Brenner M, Johnson AB, Boespflug-Tanguy O, Rodriguez D, Goldman JE, Messing A.

Nature Genetics 2001 Jan; 27(1):117.

- [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](#)