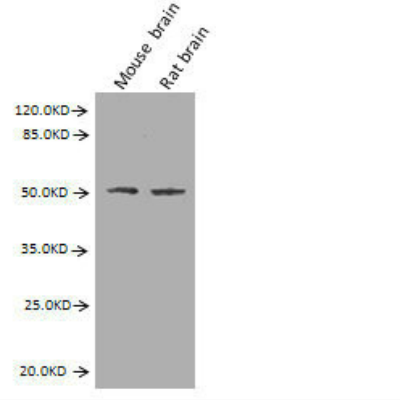
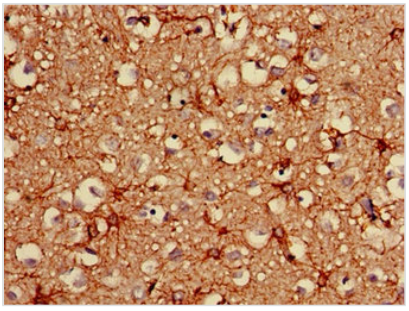
GFAP Monoclonal Antibody

Product Code	CSB-MA009369A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P14136
Immunogen	Recombinant Human GFAP protein (292-432AA)
Raised In	Mouse
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB, IHC, IF, FC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500, IF:1:50-1:200
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG2b
Clonality	Monoclonal
Alias	Glial fibrillary acidic protein, GFAP
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Clone No.	1C91F1

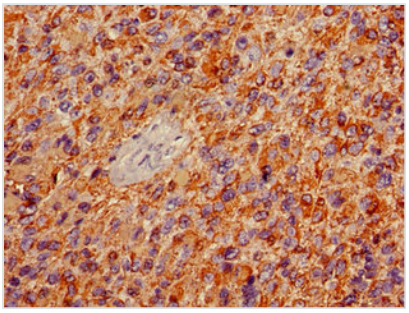
Image



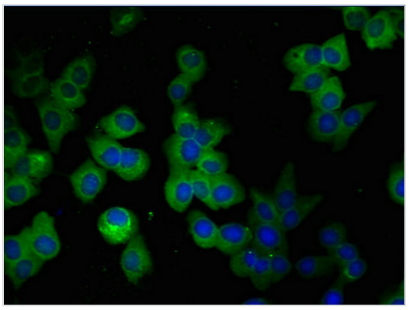
Western Blot
Positive WB detected in: Mouse brain tissue, Rat brain tissue
All lanes: GFAP antibody at 2.7µg/ml
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 50, 51 kDa
Observed band size: 50 kDa



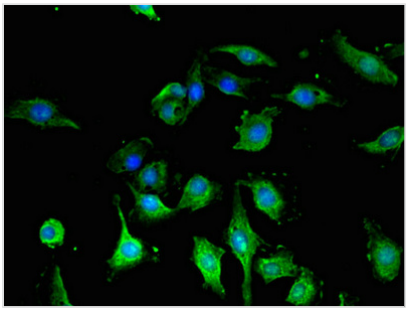
Immunohistochemistry of paraffin-embedded human brain tissue using CSB-MA009369A0m at dilution of 1:100



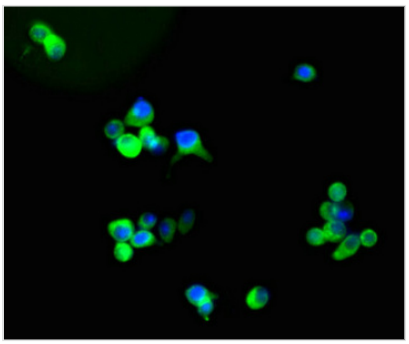
Immunohistochemistry of paraffin-embedded human glioma using CSB-MA009369A0m at dilution of 1:100



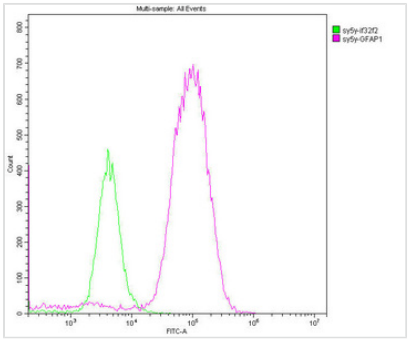
Immunofluorescent analysis of SH-SY5Y cells using CSB-MA009369A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of U251 cells using CSB-MA009369A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of U87 cells using CSB-MA009369A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Overlay histogram showing SH-SY5Y cells stained with CSB-MA009369A0m (red line). The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (10µg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was mouse IgG2b (10µg/1*10^6cells) used under the same conditions. Acquisition of >10,000 events was performed.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.