

Anti-GFAP antibody [5C8] (STJ96961)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC/IF
Host / Source	Mouse
Reactivity	Human/Rat/Mouse

PRODUCT PROPERTIES

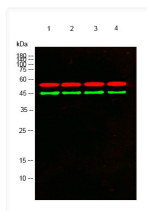
Clonality	Monoclonal
Conjugation	Unconjugated
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution Range	WB 1:2000-5000 IF 1:200 IHC 1:50-300
Formulation	Liquid in PBS pH7.4, 0.5% BSA, 0.02% Sodium Azide and 50% Glycerol.
Isotype	IgG1
Molecular Weight	Observed: 45kD
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

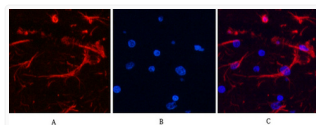
Gene ID	2670
Gene Symbol	GFAP
UniProt ID	GFAP_HUMAN
Specificity	The antibody detects endogenous GFAP proteins.

ADDITIONAL INFORMATION

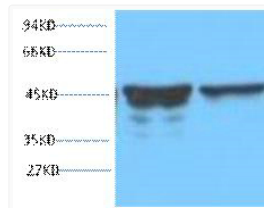
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



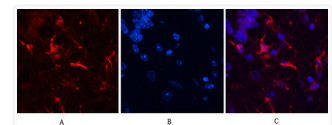
Western blot analysis of lysates from 1) Rat Brain Tissue, 2) HeLa, 3) A431, 4) PC12 cells. (Green) primary antibody was diluted at 1:1000, 4°C overnight, secondary antibody (cat: (NA) was diluted at 1:10000, 37°C 1hour. (Red) Tubulin Beta Polyclonal Antibody (cat: (STJ96145) antibody was diluted at 1:5000 as loading control, 4°C overnight, secondary antibody (cat: (NA) was diluted at 1:10000, 37°C 1hour.



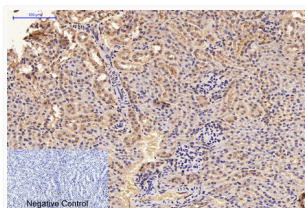
Immunofluorescence analysis of Rat-brain tissue. 1, GFAP monoclonal antibody (5C8) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



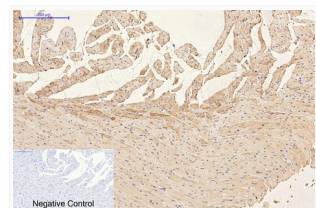
Western blot analysis of Rat Brain Tissue, diluted at 1:5000.



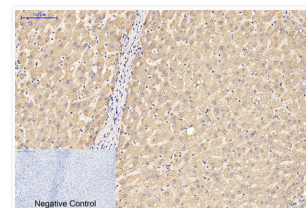
Immunofluorescence analysis of Mouse-brain tissue. 1, GFAP monoclonal antibody (5C8) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



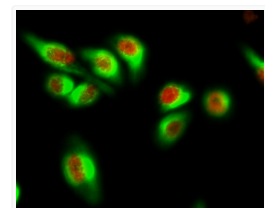
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1, GFAP monoclonal antibody (5C8) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1, GFAP monoclonal antibody (5C8) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1, GFAP monoclonal antibody (5C8) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of HeLa cell. 1, AR Polyclonal Antibody (red) was diluted at 1:200 (4°C overnight). GFAP monoclonal antibody (5C8) (green) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: (NA) was diluted at 1:1000 (room temperature, 50min). 3, Goat Anti Mouse Alexa Fluor 488 Catalog: (NA) was diluted at 1:1000 (room temperature, 50min).