

Anti-GFAP antibody (1-100) [S6MR] (STJ11101596)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

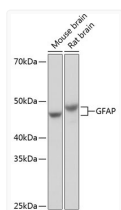
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IHC-P:1:200-1:2000 IF/ICC:1:200-1:2000 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 50kDa Observed Mw: 48kDa/50kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

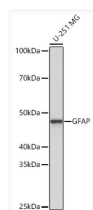
Gene ID	2670
Gene Symbol	GFAP
UniProt ID	GFAP_HUMAN
Immunogen Region	1-100
Immunogen Sequence	MERRRITSAAARRSYVSSGEM MVGGLAPGRRRLGPGTRLSLA RMPPPLPTRVDFSLAGALNA GFKETRASERAEMMELNDRF ASYIEKVRFLQQNKALAAE
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GFAP (P14136).

ADDITIONAL INFORMATION

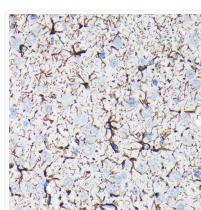
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



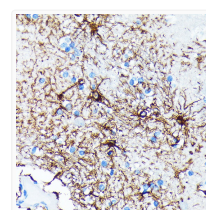
Western blot analysis of extracts of various cell lines, using GFAP antibody (STJ11101596) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



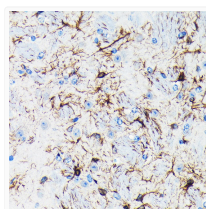
Western blot analysis of extracts of U-251MG cells, using GFAP antibody (STJ11101596) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.



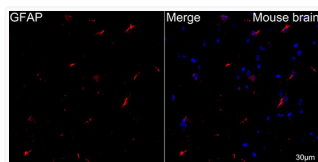
Immunohistochemistry analysis of paraffin-embedded rat brain using GFAP rabbit monoclonal antibody (STJ11101596) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



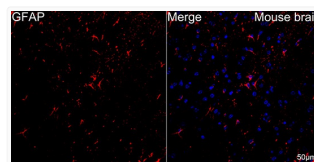
Immunohistochemistry analysis of paraffin-embedded human brain using GFAP rabbit monoclonal antibody (STJ11101596) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



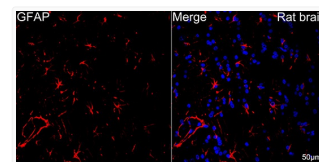
Immunohistochemistry analysis of paraffin-embedded mouse brain using GFAP rabbit monoclonal antibody (STJ11101596) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Confocal imaging of mouse brain using GFAP rabbit monoclonal antibody (STJ11101596, dilution 1:50) followed by a further incubation with Cy3 Goat Anti-rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Confocal imaging of paraffin-embedded mouse brain using GFAP rabbit monoclonal antibody (STJ11101596, dilution 1:50) followed by a further incubation with Cy3 Goat Anti-rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded Rat brain using GFAP rabbit monoclonal antibody (STJ11101596, dilution 1:50) followed by a further incubation with Cy3 Goat Anti-rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.