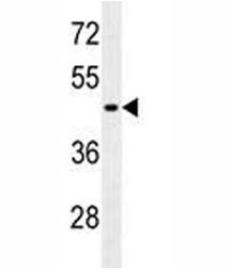
GFAP Antibody (Astrocyte Marker) [clone 183CT3.1.5] (F40242)

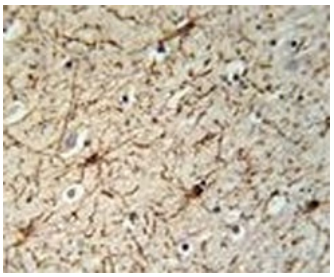
Catalog No.	Formulation	Size
F40242-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40242-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

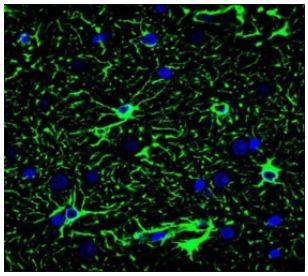
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, k
Clone Name	183CT3.1.5
Purity	Purified
UniProt	P14136
Applications	Western Blot : 1:100-1:500 IHC (Paraffin) : 1:50-1:100 Immunofluorescence : 1:10-1:50
Limitations	This GFAP antibody is available for research use only.



GFAP antibody western blot analysis in MCF-7 lysate. Predicted molecular weight: ~50kDa.



GFAP antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.



Confocal immunofluorescent analysis of GFAP antibody with brain tissue followed by Alexa Fluor 488-conjugated goat anti-mouse lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

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.

Application Notes

Titration of the GFAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This astocyte marker GFAP antibody was produced from a mouse immunized with GFAP recombinant protein.

Storage

Can be stored for one month at 4oC. For long-term storage, aliquot the GFAP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaws.