Product Datasheet

GFAP Antibody (orb1939391)

Description	Mouse Monoclonal Antibody (Mab)
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IF, IHC-P, WB
Target	This GFAP monoclonal antibody is generated from mouse immunized with GFAP recombinant protein.
Form/Appearance	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
Isotype	IgG2b,k
Clonality	Monoclonal
Clone Number	183CT3.1.5
MW	49880 Da
Uniprot ID	**P14136**
NCBI	**NP_001229305.1**, **NP_001124491.1**, **NP_002046.1**
Dilution Range	IF: 1:10~50, WB: 1:4000, WB: 1:500~1000, IHC-P-Leica: 1:1000, IHC: 1:2000
Expiration Date	12 months from date of receipt.

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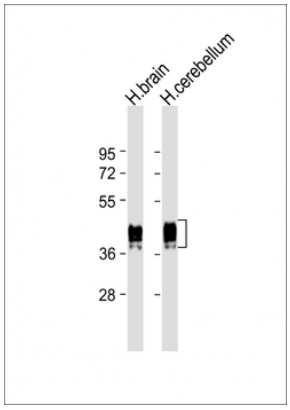
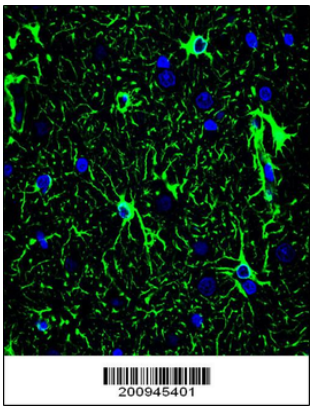
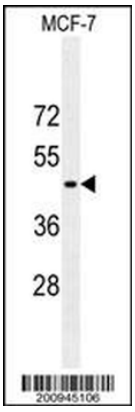


All lanes: Anti-GFAP Antibody at 1:4000 dilution. Lane 1: human brain lysate. Lane 2: human cerebellum lysate.Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 50 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Confocal immunofluorescent analysis of GFAP Antibody with brain tissue followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



GFAP Antibody western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the GFAP antibody detected the GFAP protein (arrow).

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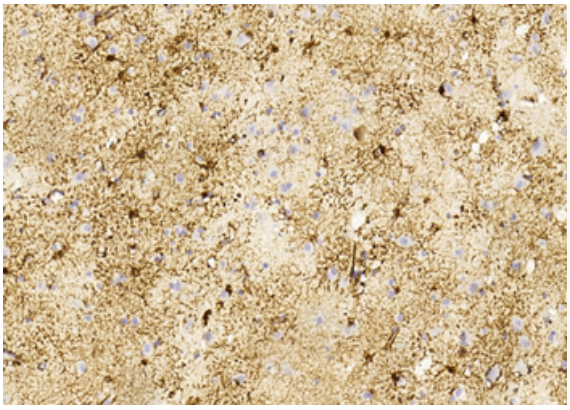
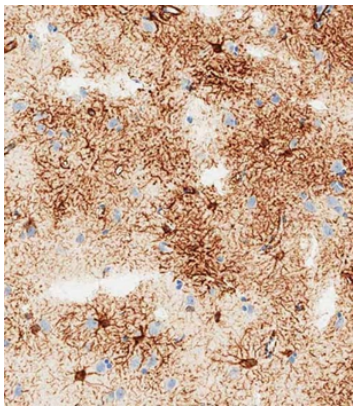


Immunohistochemical analysis of paraffin-embedded Human brain section using Pink1. diluted at 1:2000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain tissue performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary Antibody.

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