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Product datasheet for TA500343BM

GFAP Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E11
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:5000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GFAP (NP_002046) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49.9 kDa
Gene Name:	glial fibrillary acidic protein
Database Link:	NP_002046 Entrez Gene 14580 MouseEntrez Gene 24387 RatEntrez Gene 2670 Human P14136
Background:	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.

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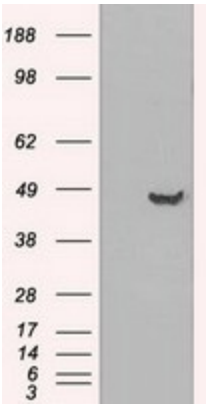
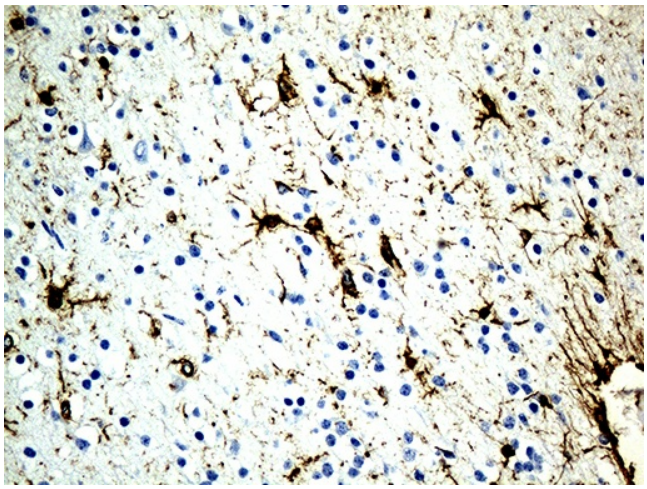
Synonyms: ALXDRD

Protein Families: ES Cell Differentiation/IPS

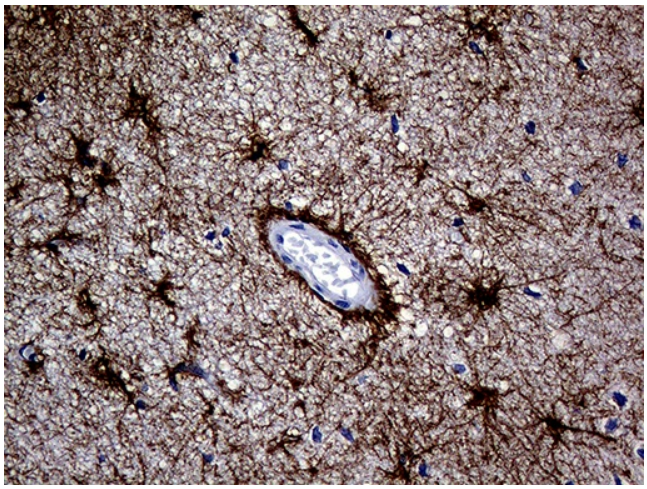
Product images:



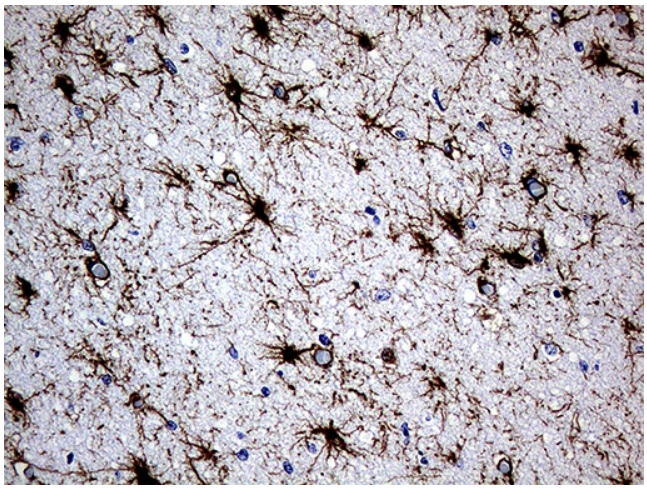
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GFAP ([RC204548], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GFAP. Positive lysates [LY419563] (100ug) and [LC419563] (20ug) can be purchased separately from OriGene.



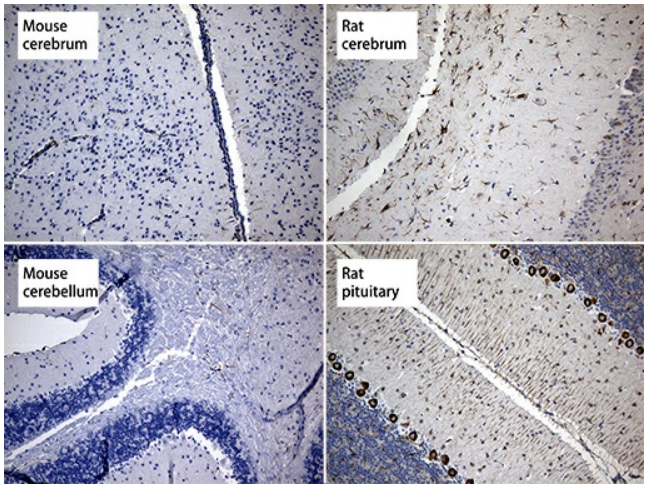
Immunohistochemical staining of paraffin-embedded Human adult brain tissue within the normal limits using anti-GFAP mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA500343]) (1:500)



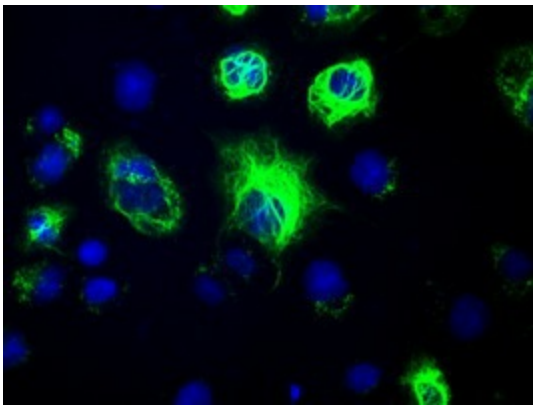
Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue within the normal limits using anti-GFAP mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [TA500343]) (1:500)



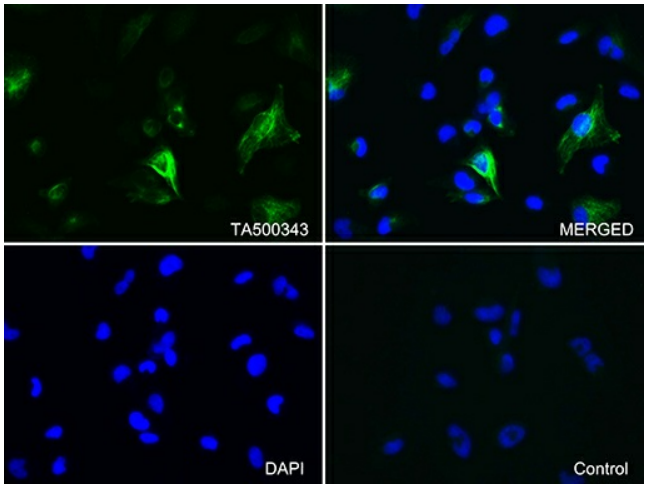
Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum within the normal limits using anti-GFAP mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [TA500343]) (1:500)



Immunohistochemical staining of paraffin-embedded mouse and rat brain sections within the normal limits using anti-GFAP mouse monoclonal antibody (1:500).



Anti-GFAP mouse monoclonal antibody ([TA500343]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GFAP ([RC204548]).



Immunofluorescent staining of SNB-19 cells using anti-GFAP antibody ([TA500343]/green, upper left; DAPI/blue, lower left; MERGED, upper right) or Isotype control (MERGED, lower right) (1:100).