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Product datasheet for UM570094

GFAP Mouse Monoclonal Antibody [Clone ID: UMAB129]

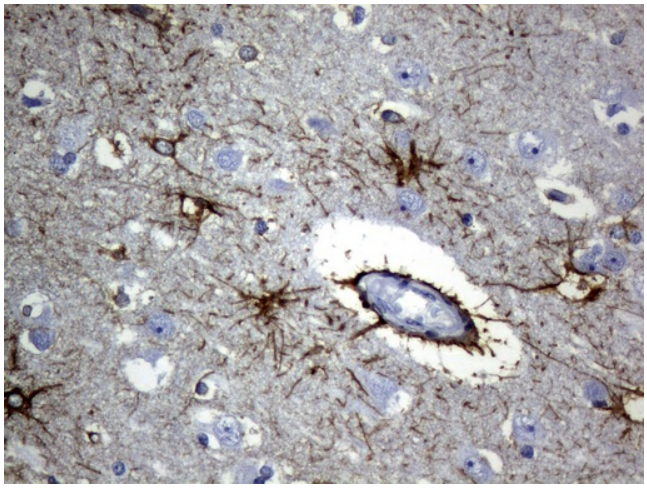
Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB129
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 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 and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
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. [provided by RefSeq, Oct 2008]
Synonyms:	ALXDRD

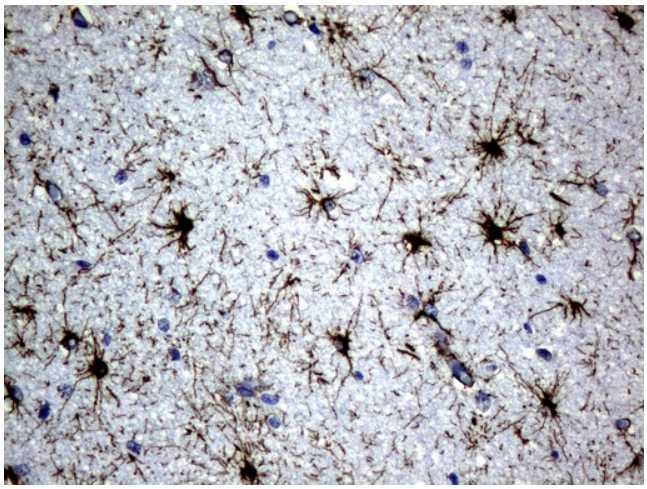
View online »

Protein Families: ES Cell Differentiation/IPS

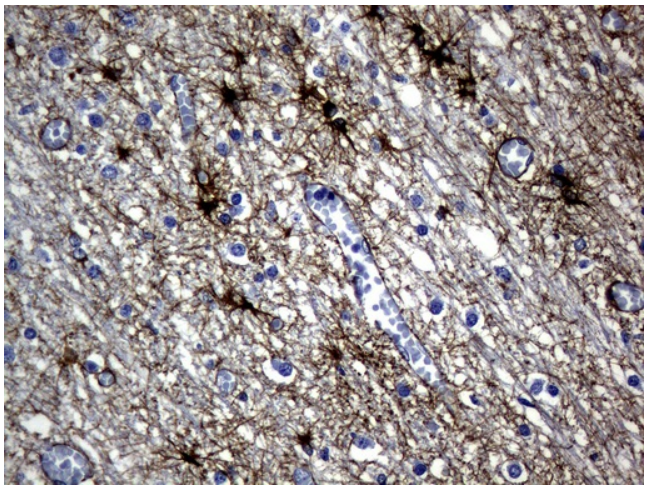
Product images:



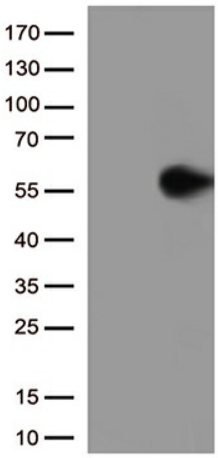
Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-GFAP mouse monoclonal antibody. ([UM500094]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



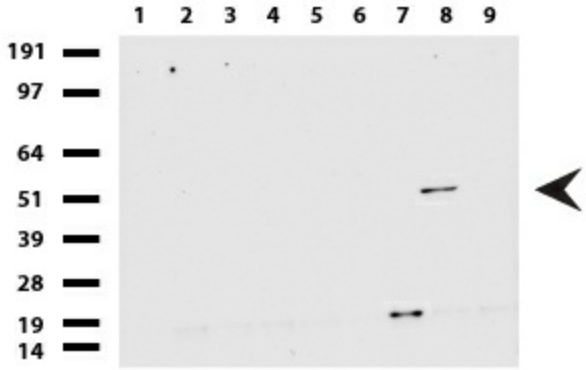
Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-GFAP mouse monoclonal antibody. ([UM500094]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



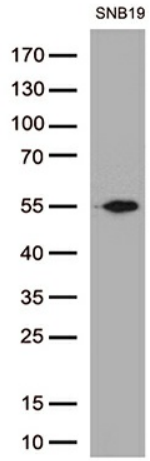
Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-GFAP mouse monoclonal antibody. ([UM500094]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min) (1:100)



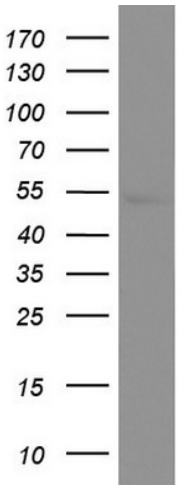
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GFAP ([RC204548], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GFAP (1:500).



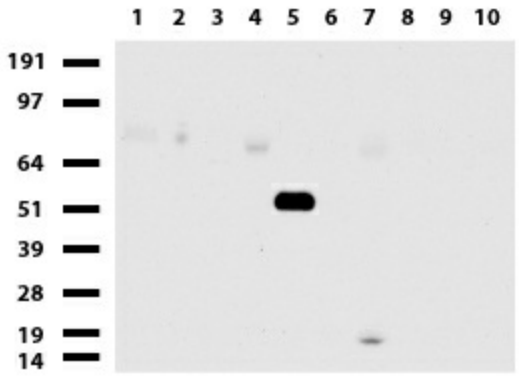
Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549. 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



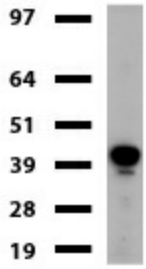
Western blot analysis of extracts (35ug) from 1 cell line lysate and 1 tissue lysate by using anti-GFAP monoclonal antibody (1:500).



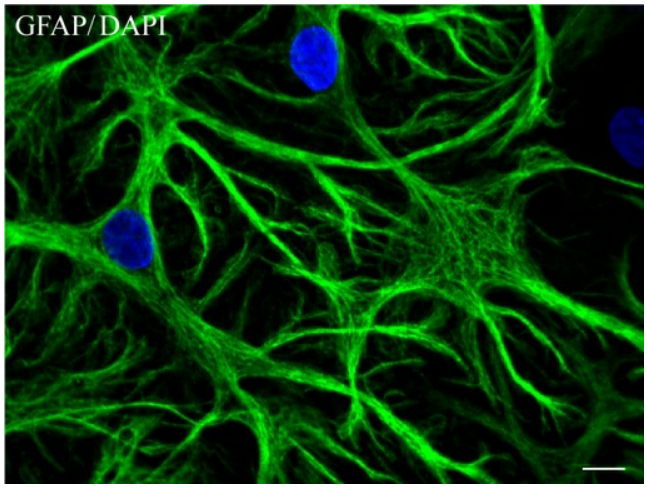
Western blot analysis of DU145 cell lysate (35ug) by using anti-GFAP monoclonal antibody.



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Colon, 9: Spleen, 10: Thyroid). Diluation: 1:500.



Western blot of mouse tissue lysates (20ug) from Brain. Diluation: 1:500.



Confocal immunofluoresce image of primary rat neurons labeled with anti-GFAP mouse monoclonal antibody ([UM500094], green, 1:100) and with DAPI (blue) for nuclear. Scale bar, 10um.