AB-NN260-1
GFAP Antibody

Pan-specific monoclonal antibody (S206A-8) for monitoring the expression of human GFAP

KiNEXUS

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Target Protein

Name Long:	Glial fibrillary acidic protein (GFAP)
Alias:	Glial fibrillary acidic protein, Intermediate filament protein, Astrocyte, gfapl, DKFZp459C0729, MGC139638, FLJ45472, AI836096, GFAP
UniProt ID:	P14136 - Human
Human Predicted Mass (KDa):	50.289 (438 AA; P14136-2); 49.880 (432 AA; P14136-1); 49.508 (431 AA; P14136-3)
Observed SDS-PAGE Mass (KDa):	50

Immunogen

Antibody Immunogen Source:	Synthetic peptide amino acids 411-422 (KTVEMRDGEVIK) of human GFAP; 100% identical in rat and mouse

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	91 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB | IHC | ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human | Mouse | Rat
Antibody Positive Control:	1 µg/ml of SMC-441 was sufficient for detection of GFAP in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~50 kDa protein.
Antibody Cross Reactivities:	Cross-reacts with GFAP-R416W and other GFAP mutant proteins.