

# AB-NN260-2

## GFAP R416WT Antibody

Pan-specific monoclonal antibody (S206B-9) for monitoring the expression of human GFAP R416WT



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### Target Protein

<b>Name Long:</b>	Glial fibrillary acidic protein (GFAP R416WT)
<b>Alias:</b>	Glial fibrillary acidic protein, Intermediate filament protein, Astrocyte, gfap1, DKFZp459C0729, MGC139638, FLJ45472, AI836096, GFAP
<b>UniProt ID:</b>	P14136 - Human
<b>Human Predicted Mass (kDa):</b>	50.289 (438 AA; P14136-2); 49.880 (432 AA; P14136-1); 49.508 (431 AA; P14136-3)
<b>Observed SDS-PAGE Mass (kDa):</b>	50

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic peptide amino acids 411-422 (KTVMRDGEVIK) of human GFAP; 100% identical in rat and mouse. >50% identity with other proteins (Vimentin, Desmin and Peripherin).
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	92 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   IHC   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-442 was sufficient for detection of GFAP R416WT in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~50 kDa protein.
<b>Antibody Cross Reactivities:</b>	Does not cross-react with GFAP-R416W or other proteins (based on KO validation results).

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987