

Product Data Sheet

Anti-GFAP Antibody

Catalog #	Source	Reactivity	Applications
CPA9167	Mouse	H, M, R	WB, IH, IF/IC
Description	Mouse monoclonal antibody to GFAP		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of mouse GFAP. The exact sequence is proprietary.		
Purification			
Specificity	Recognizes endogenous levels of GFAP protein.		
Clonality	Monoclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/1000 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)		
Gene Symbol	GFAP		
Alternative Names	Glial fibrillary acidic protein; GFAP		
Entrez Gene	2670 (Human); 14580 (Mouse); 24387 (Rat)		
SwissProt	P14136 (Human); P03995 (Mouse); P47819 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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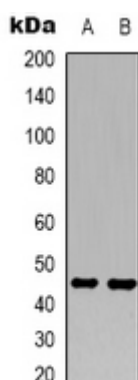
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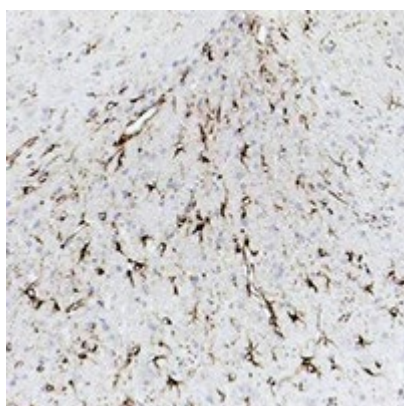
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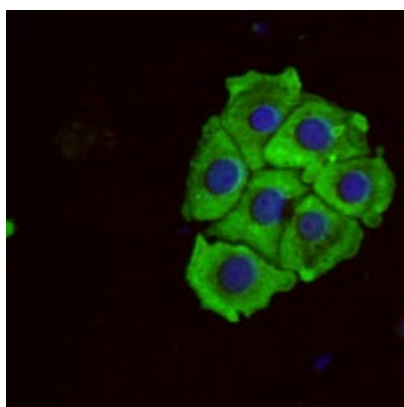
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Western blot analysis of GFAP expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 45 kD)



Immunohistochemical analysis of GFAP staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blot analysis of GFAP expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 45 kD)

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