

# UC Davis/NIH NeuroMab Facility

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### Anti-GFAP-R416WT, NeuroMab clone N206B/9

Available as TC supe (RRID: AB\_11000181) & Pure IgG (RRID: AB\_11000169)

#### <u>Immunogen:</u>

Synthetic peptide amino acids 411-422 (KTVEMRDGEVIK) of human GFAP (also

known as Glial fibrillary acidic protein, accession number P14136)

Rat: 100% identity (12/12 amino acids identical) Mouse: 100% identity (12/12 amino acids identical)

>50% identity with other proteins (Vimentin, Desmin and Peripherin)

## Monoclonal antibody info:

Mouse strain: Balb/C Myeloma cell: SP2/0 Mouse Ig Isotype: IgG1

### NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not cross-react with GFAP-R416W or other proteins (based on KO validation results)

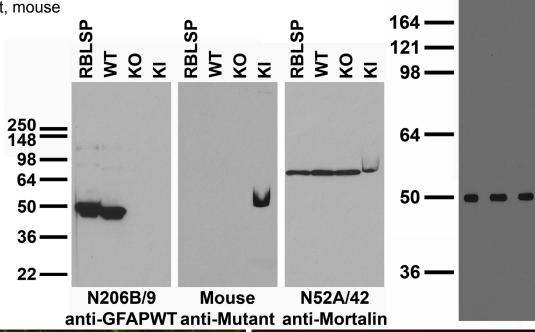
MW: 50 kDa

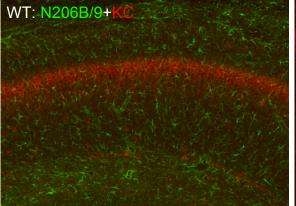
Right: adult rat brain membrane immunoblot.

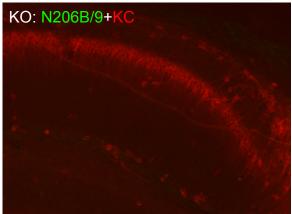
Left: immunoblot versus brain samples from adult rat (RBLSP) and GFAP wildtype (WT), knockout (KO) and R416W KI mice. Mutant control courtesy of Michael

Brenner, UAB.

Immunofluorescence of GFAP WT and KO mouse hippocampus with N206B/9 (green) and KC rabbit anti-Kv2.1 (red). Brain samples courtesy of Albee Messing, UW-Madison.







N206B/9 TC supe 10 µg/mL

**500** 

N206B/9 Pure 10 µg/mL

N206B/9 Pure 1  $\mu$ g/ml