

**Anti-Ankyrin-G, NeuroMab clone N106/36**

Available as TC supe (RRID: AB\_10697718) &amp; Pure IgG (RRID: AB\_10673030)

Immunogen:

Fusion protein ~1000 amino acids of Ankyrin-G (also known as ANK-3 or ankyrin-3), sequence:

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EDAMTGDTDKYLGPQDLKELGDDSLPAEGYMGFSLGARSASLRSFSSDRSYTLNRSSYARDSMIEELLVPSKEQHLTFTREFDSDSLRHYSWAADTL
DNVNLVSSPIHSGFLVSMVDARGGSMRGSRRHGMRIIPPRKCTAPTRITCRLVKRHKLANPPPMVEGEGLASRLVEMGPAGAQLGPVIVEIPHFSGM
RGKERELIVLRSENGETWKEHQFDSKNEDELTELLNGMDEELDSPEELGKKRICRIITKDFPQYFAVVSRIKQESNQIGPEGGILSSTTVPLVQASFPPEGALT
KRIRVGLQAQVPDEIVKKILGNKATFSPIVTVEPRRRKFHKPITMTIPVPPSGEGVSNKYKGDTPNLRLLCSITGGTSPAQWEDITGTTPLTFIKDCVSF
TTNVSARFWLADCHQVLETVGLATQLYRELICVPYMAKFVVFVAKMNDPVESLRCFCMTDDKVDKLEQQENFEEVARSKDIEVLEGGKPIYVDCYGNLA
PLTKGGQQLVFNFSFKENRPLPFSIKIRDTSQEPGRLSFLKEPKTTKGLPQTAVCNLNLPAHKKIEKTDRRQSFASLALRKRYSYLTEPGMSPQSPCE
RTDIRMAIVADHLGLSWTELARELNFSVDEINQIRVENPNLSISQSFMLLKVVVTRDGKNATTDALTSVLTKINRIDIVTLLEGPIFDYGNISGTRSFADENNV
FHDPVDDGPPVTAEDASLEDSKLEDSVPLTEMPEAVDDESQLENVCLSWQNETSSGNLESQAQARRVTGLLDRLDDSPDQCRDSITSYLGKEAGK
FEANGSHTEITPEAKTKSYFPESQNDVGKQSTKETLKPkihGSGHVEEPASPLAAYQKSLEETSklIIEETKPCVPVSMKKMSRTSPADGKPRLSLHEEEG
SSGSEQKQGEgFkVktKkEIRHVEKKAH
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Human: 92% identity (920/994 amino acids identical, accession # E9PE32)

Mouse: 89% identity (837/936 amino acids identical)

Rat: 87% identity (820/935 amino acids identical)

&lt;50% identity with Ankyrin-B

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not cross-react with Ankyrin-B

Top: adult rat thalamus (left) and cortex (right)  
immunohistochemistry of axon initial segmentsCenter: immunofluorescence staining of axon initial segments in adult rat cortex with N106/36 (red) and  $\beta$ IV-spectrin rabbit polyclonal (green). Image courtesy of Matt Rasband (Baylor College of Medicine).

Bottom: immunofluorescence staining of nodes of Ranvier in adult rat optic nerve with N106/36 (red) and Caspr rabbit polyclonal (green). Image courtesy of Matt Rasband (Baylor College of Medicine).

