



### Anti-Ankyrin-G, NeuroMab clone N106/65

Available as TC supe (RRID:AB\_10673449) & Pure IgG (RRID:AB\_10675130)

#### Immunogen:

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

```
EDAMTGDTDKYLGPQDLKELGDDSLPAEGYMGFSLGARSASLRSFSSDRSYTLNRSSYARDSMMEIELLVPSKEQHLTFTREFDSDSLRHYSWAADTL
DNVNLVSSPIHSGFLVSFMDARGGSMRGSRRHHGMRIIPPRKCTAPTRITCRLVKRHKLANPPPMVEGEGLASRLVEMGPAGAQLGPPVIVEIPHFGSM
RGKERELIVLRSENGETWKEHQFDSKNEDLLELLNGMDEELDSPEELGKKRICRITKDFPQYFAVVSRIKQESNQIQPEGGILSSTTVPLVQASFPAGALT
KRIRVGLQAQPVVDEIVKILGNKATFSPIVTVEPRRRKFHKPITMTIPVPPPSGEGVSNYKGDTPNLRLLCSITGGTSPAQWEDITGTTPLTFIKDCVSF
TTNVSARFWLADCHQVLETVGLATQLYRELICVPYMAKVVFAKMNDPVESLRCFCMDDKVDKTLEQQENFEEVARSKDIEVLEGGKPIYVDCYGNLA
PLTKGGQQLVFNFYFKNRPLPFSIKIRDTSQEPCGRLSFLKEPKTKGLPQTAVCNLITLPAHKKIEKTDRRQSFASLALRKRYSYLTPGMSQPSPCE
RTDIRMAIVADHLGLSWTELARELNFSVDEINQIRVENPNLSISQSFMLLKKWVTRDGKNATTDALTSVLTINRIVITLLEGPIFDYGNISGTRSFADENNV
FHDPVDDGPPVTAEDASLEDSKLEDSVPLTEPEAVDVEDSQLENVCLSWQNETSSGNLESQAQARRVTGGLLDRLDDSPDQCRDSITSYLKGEAGK
FEANGSHTEITPEAKTKSYFPESQNDVGKQSTKETLKPVIHSGHVEEPASPLAAYQKSLEETSKLIIETKPCVPVSMKKMSRTSPADGKPRLSLHEEEG
SSGSEQKQGEQKVKTKKEIRHVEKKAH
```

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)

<50% identity with Ankyrin-B

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2b

#### NeuroMab Applications:

Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not cross-react with Ankyrin-B

Immunofluorescence labeling of axon initial segments in adult rat cortex with N106/65 TC supe (red) and Hoechst nuclear stain (blue).

