

Product datasheet for 75-146

Ankyrin G (ANK3) Mouse Monoclonal Antibody [Clone ID: N106/36]

Product data:

Product Primary Antibodies

Type:

Clone Name: N106/36

Applications: IF, IHC

Recommend Immunohistochemistry (IHC)

Dilution: Immunocytochemistry (ICC)

Reactivity: Human, Mouse, Rat

Host: Mouse

Isotype: IgG2a

Clonality: Monoclonal

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

EDAMTGDDTKYLGPQDLKELGDDSLPAEGYMGFSLGARSASLRSFSSDRSYTLNRSSYARDSMMEIPELLVPSKEQHLTFTREFDSD
TTNVSARFWLADCHQVLETVGLATQLYRELICVPYMAKFWFAKMNDPVESLRCFCMTDDKVDKTLQEQENFEEVARSKDIEVLE
SSGSEQKQGEGFKVTKKEIRHVEKKAH

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.

Specificity: Does not cross-react with Ankyrin-B

Formulation: State: Purified

Gene Name: ankyrin 3, node of Ranvier (ankyrin G)

Database [Entrez Gene 288 Human](#)

Link:

Synonyms: ANK3, ANK-3, Ankyrin G

Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATE

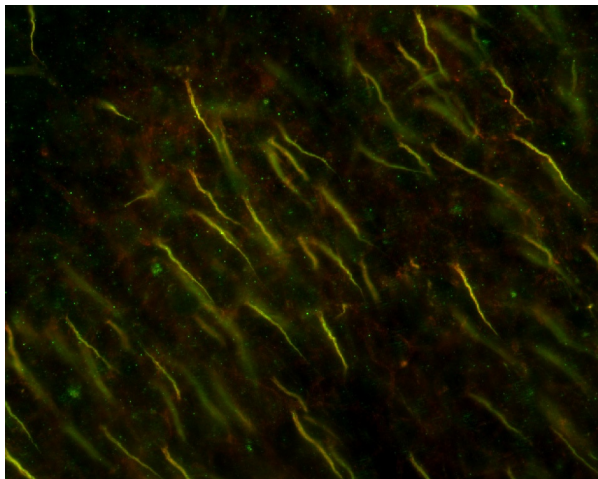
"The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, support

Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e

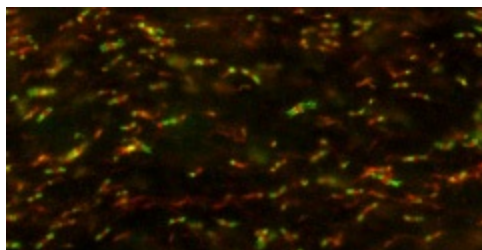
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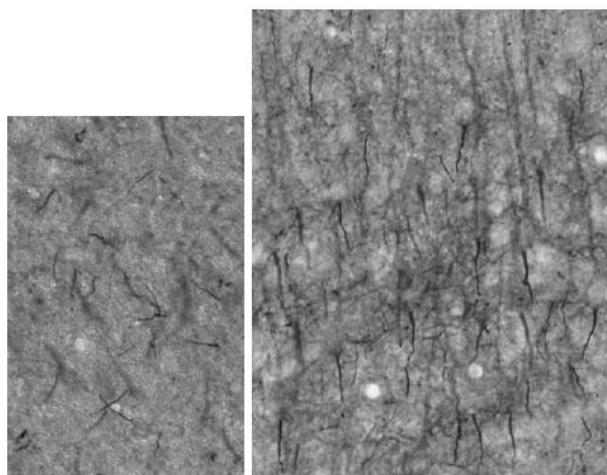
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Product images:

immunofluorescence staining of axon initial segments in adult rat cortex with N106/36 (red) and β IV-spectrin rabbit polyclonal (green). Image courtesy of Matt Rasband (Baylor College of Medicine).



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).



Adult rat thalamus (left) and cortex (right) immunohistochemistry of axon initial segments