

Anti-Ankyrin-G (staining) [N106/43] Bulk Size Ab02125-10.0-BT

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: N106/43

Alternative Name(s) of Target: N106/43R; Ankyrin-3; ANK-3

UniProt Accession Number of Target Protein: Q12955

Published Application(s): ICC

Published Species Reactivity: Rat, Human

Immunogen: This antibody was raised by immunising BALB/c mice with the Ankyrin-G antigen.

Specificity: This antibody is specific for the Ankyrin-G antigen in both humans and rats. This antigen is a membrane-cytoskeleton linker.

Application Notes: This antibody has been used for immunocytochemistry in the analysis of neurons. It was successfully used to label the initial axon segment (Dumitrescu et al, 2016; PMID:27932952).

Antibody First Published in: Dumitrescu et al Evaluating Tools for Live Imaging of Structural Plasticity at the Axon Initial Segment. Front Cell Neurosci. 2016 Nov 23;10:268. [PMID:27932952](#)

Note on publication: Describes the use of the antibody in immunocytochemistry.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.