

Anti-Ankyrin-G (staining) [N106/43] Standard Size Ab02125-1.1

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.

Isotype and Format: Mouse 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.