

Anti-Pan-Ankyrin Pan [N388A/60] Standard Size Ab02182-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. 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 rat 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: Rat IgG2b, [Fc Silent™](#), Kappa

Clone Number: N388A/60

Alternative Name(s) of Target: N388A/60R; Ankyrin-1; ANK1; Erythrocyte ankyrin

UniProt Accession Number of Target Protein: P16157

Published Application(s): WB, IF, IHC

Published Species Reactivity: pan, Rat, Human, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with a fusion protein amino acids 1-1881 (full-length) of human Ankyrin-R.

Specificity: This antibody is specific for pan-Ankyrin. This antibody binds to both ankyrin-B and ankyrin-G. Ankyrin attaches integral membrane proteins to cytoskeletal elements.

Application Notes: This antibody is recommended for detection and analysis of ankyrin by immunofluorescence, western blot or immunohistochemistry. For instance, the mouse version was used to detect ankyrin by western blot in t crude membranes from adult rat brain and wild-type and Ankyrin-R knockout mouse brains. Furthermore it was also used to detect ankyrin by immunohistochemistry in adult rat brain.

Antibody First Published in: Andrews et al. A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain eLife. 2019; 8: e43322. [PMID:30667360](#)

Note on publication: This article describes the generation of a library of recombinant monoclonal antibodies (R-mAbs) from a pool of mAb-producing hybridomas for neuroscience research.

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.