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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Ankyrin B Antibody [S105-13]

Mouse Anti-Human Ankyrin B Monoclonal IgG1
Catalog No. SMC-400



Discovery through partnership | Excellence through quality

Overview

Product Name

Ankyrin B Antibody

Description

Mouse Anti-Human Ankyrin B Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC, ICC/IF

Antibody Dilution

WB (1:1000), IHC (1:200), ICC/IF (1:200); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Synthetic peptide amino acids 203-496 of human Ankyrin-B

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S105-13

Isotype

IgG1

Specificity

Detects ~200kDa. No cross reactivity against Ankyrin-G.

Cite This Product

Mouse Anti-Human Ankyrin B Monoclonal, Clone S105-13 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-400)

Certificate Of Analysis

1 µg/ml of SMC-400 was sufficient for detection of Ankyrin-B in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

ANK-2 Antibody, ANK2 Antibody, Ankyrin 2 Antibody, Ankyrin-2 Antibody, Ankyrin nonerythroid Antibody, Brain ankyrin Antibody, non-erythroid ankyrin Antibody, Ankyrin-B Antibody

Research Areas

Cell Structure, Membrane Markers, Neuroscience, Neurotransmitter Receptors

Cellular Localization

Cytoplasm, Apical cell membrane, Cell membrane, Cytoskeleton, M line, myofibril, Sarcomere

Accession Number

NP_001120965.1

Gene ID

287

Swiss Prot

Q01484

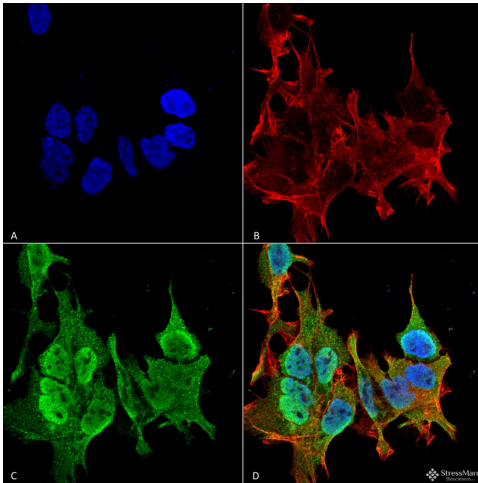
Scientific Background

Ankyrins are a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane skeleton (1). Ankyrins have binding sites for the beta subunit of spectrin and at least 12 families of integral membrane proteins. This linkage is required to maintain the integrity of the plasma membranes and to anchor specific ion channels, ion exchangers and ion transporters in the plasma membrane.

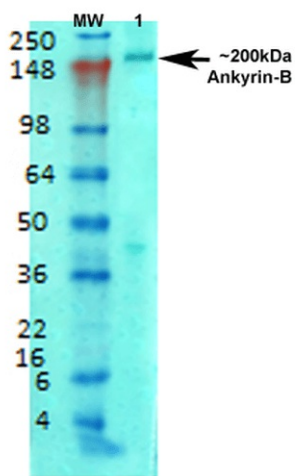
References

1. Bennett V., Baines A.J. (2001) *Physiol. Rev.* 81 (3): 135392.

Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin B Monoclonal Antibody, Clone S105-13 (SMC-400). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Ankyrin B Monoclonal Antibody (SMC-400) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm



Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Ankyrin B Antibody (D) Composite.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.