

Product Datasheet

Ankyrin G Antibody: FITC (orb149896)

Description	Mouse monoclonal to Ankyrin G (FITC). Ankyrins are a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane skeleton. 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..
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	FITC
Tested Applications	ICC, IF, IHC
Immunogen	Fusion protein 1000 C-terminal amino acids of human Ankyrin G (also known as ANK-3 or ankyrin-3) encompassing all of Ankyrin G with the exception of Ankyrin repeats
Target	Ankyrin G
Preservatives	640.91mM DMSO, 136.36mM Ethanolamine, 9.09mM Sodium Bicarbonate in 90.9% PBS
Concentration	1 mg/ml
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Application notes	1 µg/ml of SMC-404 was sufficient for detection of Ankyrin-G in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Isotype	IgG1

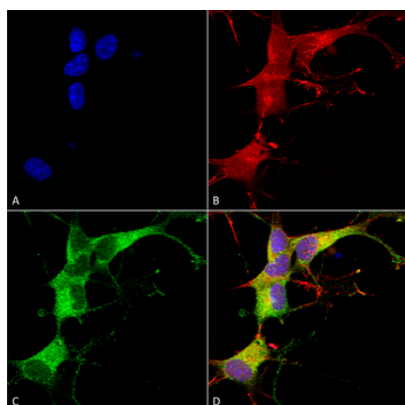
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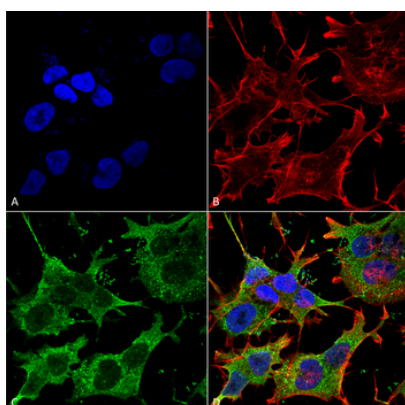
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Clonality	Monoclonal
Clone Number	N106/20 (Formerly sold as S106-20)
MW	200kDa
Uniprot ID	Q12955
NCBI	NP_066267.2
Entrez	288
Dilution Range	WB (1:1000), ICC/IF (1:100)
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin G Monoclonal Antibody, Clone N106/20. Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Ankyrin G Monoclonal Antibody at 1:100 for overnight at 4°C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Ankyrin G Antibody (D) Composite.



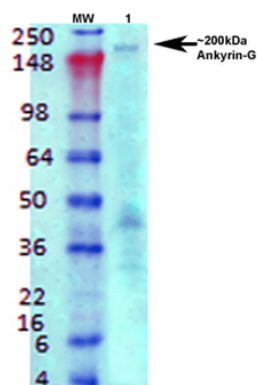
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin G Monoclonal Antibody, Clone N106/20. Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Ankyrin G Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Ankyrin G Antibody. (D) Composite.

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Western Blot analysis of Rat brain membrane lysate showing detection of Ankyrin G protein using Mouse Anti-Ankyrin G Monoclonal Antibody, Clone N106/20. Primary Antibody: Mouse Anti-Ankyrin G Monoclonal Antibody at 1:1000.

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