

Product Datasheet

Ankyrin B Antibody (FITC) (orb149828)

Catalog Number	orb149828
Category	Antibodies
Description	Mouse monoclonal to Ankyrin B (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..
Target	Ankyrin B
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	FITC
Reactivity	Human, Mouse, Rat
Concentration	1 mg/ml
Buffer/Preservatives	640.91mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09mM phosphates, 9.09mM NaHCO3
Purification	Protein G Purified
Immunogen	Synthetic peptide amino acids 203-496 of human Ankyrin-B
UniProt ID	Q01484

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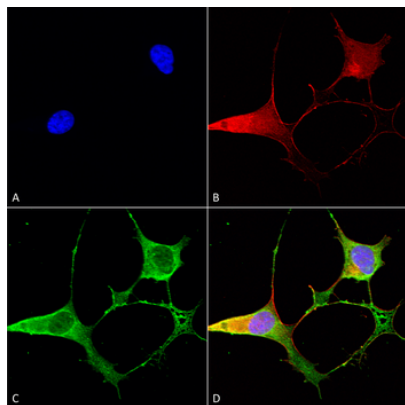
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MW	200kDa
Tested applications	ICC, IF, IHC, WB
Dilution range	WB (1:1000), IHC (1:200), ICC/IF (1:200)
Application notes	1 µg/ml of SMC-400 was sufficient for detection of Ankyrin-B in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~200kDa. No cross reactivity against Ankyrin-G.
Clone Number	N105/13 (Formerly sold as S105-13)
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	287
NCBI	NP_001120965.1
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin B Monoclonal Antibody, Clone N105/13. Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Ankyrin B Monoclonal Antibody at 1:50 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 B Antibody (D) Composite.

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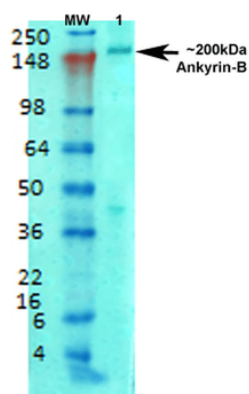
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Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Ankyrin B Antibody. (D) Composite.

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