

Datasheet for ABIN2485082

anti-ANK2 antibody (AA 203-496) (Atto 594)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	ANK2
Binding Specificity:	AA 203-496
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ANK2 antibody is conjugated to Atto 594
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide amino acids 203-496 of human Ankyrin-B
Clone:	S105-13
Isotype:	IgG1
Specificity:	Detects ~200 kDa. No cross reactivity against Ankyrin-G.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	ANK2
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Target Details

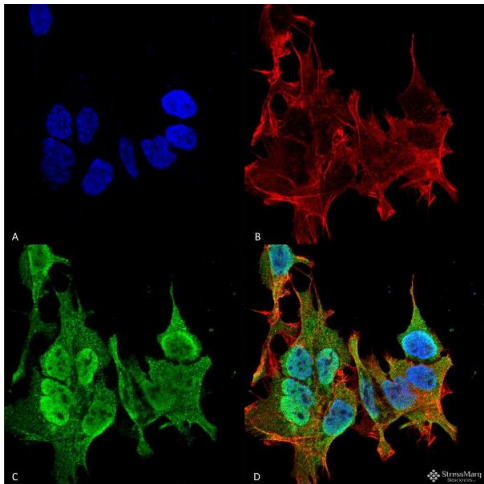
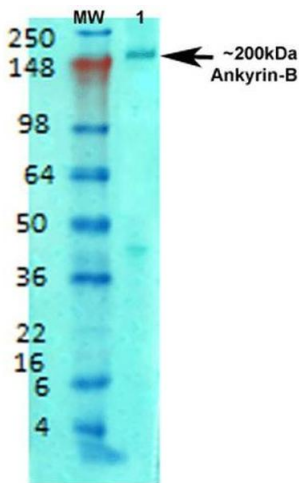
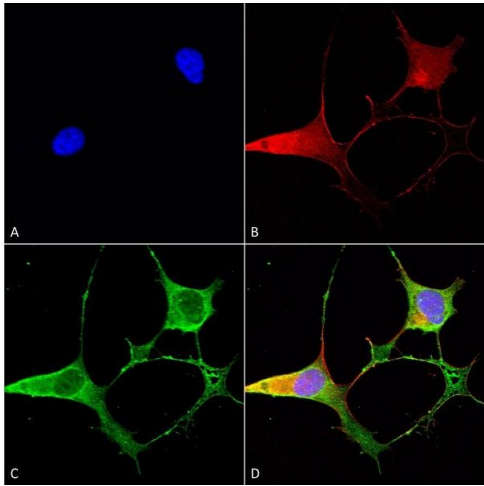
Alternative Name:	Ankyrin B (ANK2 Products)
Background:	Ankyrins are a family of adaptor proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane skeleton (1). Ankyrins have binding sites for the beta subunit of spectrin and at least 12 families of integral 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.
Gene ID:	287
NCBI Accession:	NP_001120965
UniProt:	Q01484
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• IHC (1:200)• ICC/IF (1:200)• optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2485082 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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin B Monoclonal Antibody, Clone S105-13 (ABIN2485082). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Ankyrin B Monoclonal Antibody (ABIN2485082) 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, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Ankyrin B Antibody (D) Composite.

Western Blotting

Image 2. Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Ankyrin B Antibody (D) Composite.

Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ankyrin B Monoclonal Antibody, Clone S105-13 . 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 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