

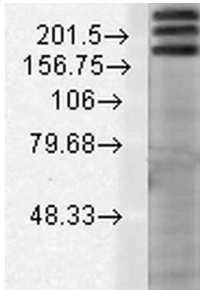
Anti-SHANK1 Antibody [N22/21] (A304815)

Specifications:

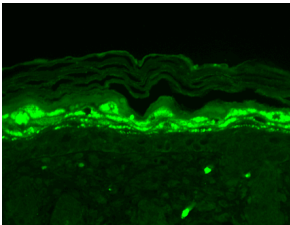
Name:	Anti-SHANK1 Antibody [N22/21]
Description:	Mouse monoclonal [N22/21] antibody to SHANK1.
Specificity:	This antibody detects alternative splice variants.
Applications:	WB, IHC, Antibody Microarray
Recommended Dilutions:	WB: 1:1,000, IHC: 1:1,000, ICC/IF: 1:100
Reactivity:	Human, Mouse, Rat
Cross Reactivity:	This antibody does not cross-react with SHANK2 or SHANK3.
Immunogen:	Fusion protein amino acids 469-691 (SH3/PDZ domains) of rat Shank1.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	N22/21
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Molecular Weight:	~190-220 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.09% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody was formely sold under the Clone ID S22-21.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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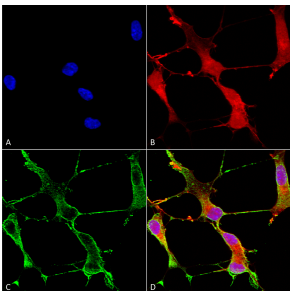
Images:



Western blot analysis of rat brain membrane lysate showing detection of SHANK1 protein using Anti-SHANK1 Antibody [N22/21] (A304815) at 1:1,000 for 2 hours at room temperature. Load: 15 μ g. Block: 1.5% BSA for 30 minutes at room temperature. The secondary antibody used was Sheep Anti-Mouse IgG: HRP for 1 hour at room temperature.



Immunohistochemistry analysis of mouse backskin, fixed in Bouin's fixative solution and paraffin-embedded. The Primary Antibody used was Anti-SHANK1 Antibody [N22/21] (A304815) at 1:100 for 1 hour at room temperature. The secondary antibody used was FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at room temperature. Localization: Filaggrin-like staining (upper layer aggregations of staining).



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cells (SH-SY5Y), fixed in 4% PFA for 15 min, using Anti-SHANK1 Antibody [N22/21] (A304815), at 1:50 for overnight at 4°C with slow rocking. The secondary antibody used was AlexaFluor 488 at 1:1,000 for 1 hour at room temperature. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 minutes at room temperature. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) SHANK1 Antibody (D) Composite.