

Product Datasheet

SHANK1 Antibody (N22/21) - BSA Free NBP2-12915

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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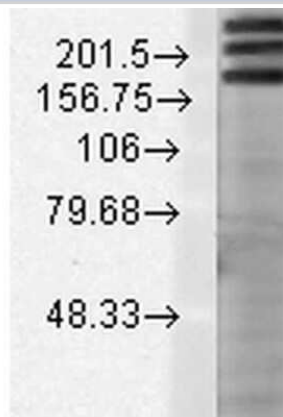
NBP2-12915

SHANK1 Antibody (N22/21) - BSA Free

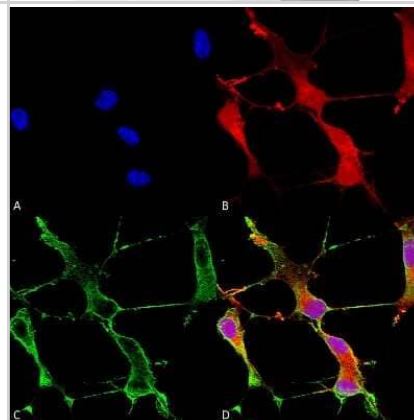
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	N22/21
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse SHANK1 Antibody (N22/21) - BSA Free (NBP2-12915) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	50944
Gene Symbol	SHANK1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 190-220 kDa (alternative splice variants). No cross-reactivity against Shank2 or Shank3.
Immunogen	Fusion protein amino acids 469-691 (SH3/PDZ domains) of rat Shank1
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray
Application Notes	1 ug/ml of SHANK1 Antibody was sufficient for detection of Shank1 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

Images

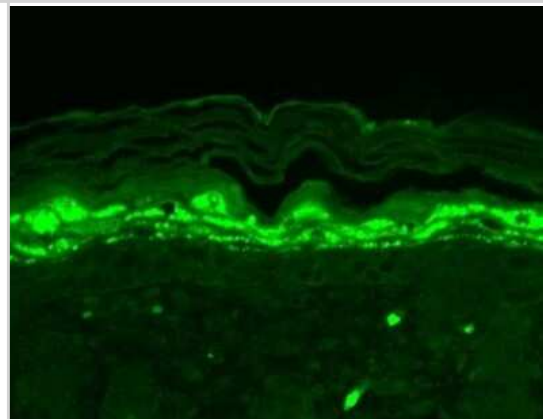
Western Blot: SHANK1 Antibody (N22/21) [NBP2-12915] - Western Blot analysis of Rat brain membrane lysate showing detection of SHANK1 protein using Mouse Anti-SHANK1 Monoclonal Antibody, Clone S22-21 (NBP2-12915). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-SHANK1 Monoclonal Antibody (NBP2-12915) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunocytochemistry/Immunofluorescence: SHANK1 Antibody (N22/21) [NBP2-12915] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-SHANK1 Monoclonal Antibody, Clone S22-21 (NBP2-12915). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-SHANK1 Monoclonal Antibody (NBP2-12915) at 1:50 for overnight at 4C 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) SHANK1 Antibody (D) Composite.



Immunohistochemistry: SHANK1 Antibody (N22/21) [NBP2-12915] - Immunohistochemistry analysis using Mouse Anti-SHANK1 Monoclonal Antibody, Clone S22-21 (NBP2-12915). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-SHANK1 Monoclonal Antibody (NBP2-12915) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filaggrin-like staining (upper layer aggregations of staining).





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Products Related to NBP2-12915

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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