

# Product Datasheet

## Ankyrin 3 Antibody (2A8) - BSA Free NBP3-05528-100ul

Unit Size: 100 ul

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

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**NBP3-05528-100ul**

Ankyrin 3 Antibody (2A8) - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A8
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol

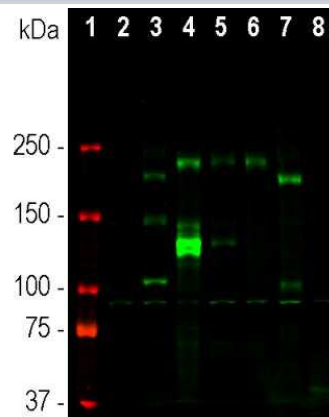
Product Description	
Host	Mouse
Gene ID	288
Gene Symbol	ANK3
Species	Human, Rat
Immunogen	The C-terminal 398 amino acids of human Ankyrin 3 expressed in and purified from E. coli.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000

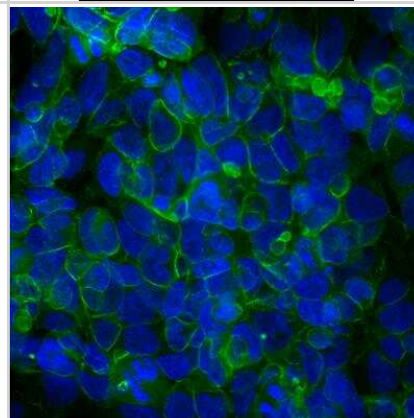


## Images

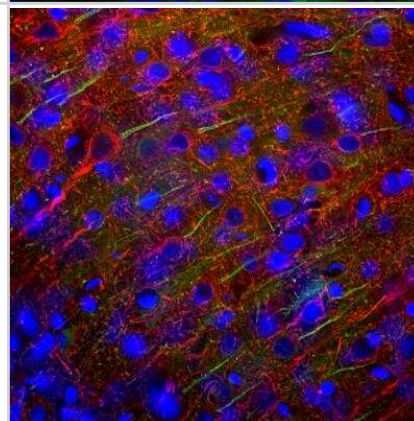
**Western Blot: Ankyrin 3 Antibody [NBP3-05528]** - Western blot analysis of different tissue and cell lysates using Ankyrin 3 Antibody, at a dilution of 1:2,000 in green: [1] protein standard (red), [2] NIH-3T3, [3] C6, [4] HEK293, [5] HeLa, [6] SH-SY5Y cells, [7] rat brain, and [8] mouse brain lysates. Bands at ~190kDa represent ankyrin 3 splice variants, higher molecular weight bands at 270kDa and 480kDa can be seen on longer exposure. Lower molecular weight bands are likely proteolytic fragments.



**Immunocytochemistry/Immunofluorescence: Ankyrin 3 Antibody [NBP3-05528]** - Immunofluorescent analysis of cortex section of rat brain stained with Ankyrin 3 Antibody at a dilution of 1:2,000 in green and costained with rabbit polyclonal antibody to NF-L at a dilution of 1:5,000 in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. The Ankyrin 3 Antibody stains the axonal initial segments, while the NF-L antibody labels dendrites and axons of neuronal cells.



**Immunocytochemistry/Immunofluorescence: Ankyrin 3 Antibody [NBP3-05528]** - Immunofluorescent analysis of cortex section of rat brain stained with Ankyrin 3 Antibody at a dilution of 1:2,000 in green and costained with rabbit polyclonal antibody to NF-L at a dilution of 1:5,000 in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. The Ankyrin 3 Antibody stains the axonal initial segments, while the NF-L antibody labels dendrites and axons of neuronal cells.





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### **Products Related to NBP3-05528-100ul**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00006326-Q01-10ug	Recombinant Human SCN2A GST (N-Term) Protein

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### **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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