

# Product Datasheet

## SynGAP Antibody (JE57-79)

### NBP3-32988

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP3-32988**

SynGAP Antibody (JE57-79)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE57-79
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	148 kDa

Product Description	
Description	Novus Biologicals Rabbit SynGAP Antibody (JE57-79) (NBP3-32988) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8831
Gene Symbol	SYNGAP1
Species	Mouse, Rat
Immunogen	Synthetic peptide within Human SynGAP aa 1,294-1,343 / 1,343. (Uniprot: F6SEU4)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:500-1:2000



## Images

Western Blot: SynGAP Antibody (JE57-79) [NBP3-32988] - Western blot analysis of SynGAP on different lysates with Rabbit anti-SynGAP antibody (NBP3-32988) at 1/2,000 dilution.

Lane 1: Mouse brain tissue lysate  
 Lane 2: Mouse hippocampus tissue lysate  
 Lane 3: Rat brain tissue lysate  
 Lane 4: Rat hippocampus tissue lysate

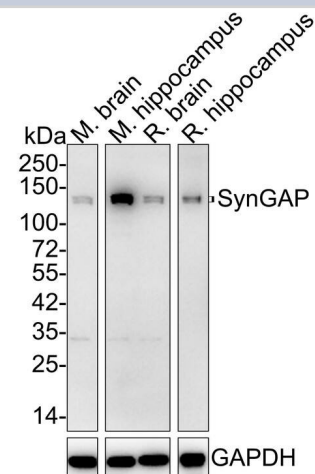
Lysates/proteins at 20 ug/Lane.

Predicted band size: 148 kDa  
 Observed band size: 140/148 kDa

Exposure time: 1 minute 23 seconds;

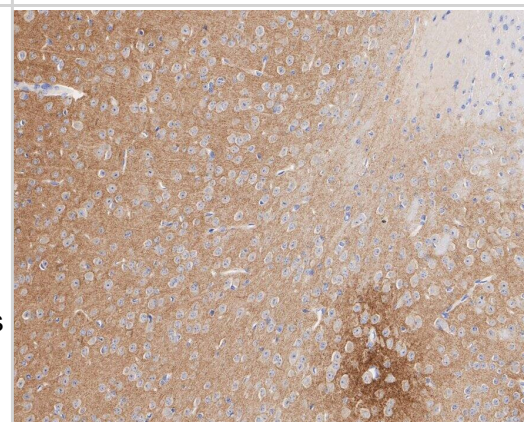
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32988) at 1/2,000 dilution was used in 5% NFDm/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



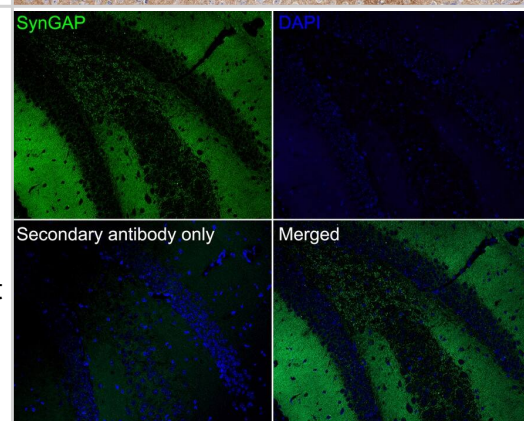
Immunohistochemistry: SynGAP Antibody (JE57-79) [NBP3-32988] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue with Rabbit anti-SynGAP antibody (NBP3-32988) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32988) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry: SynGAP Antibody (JE57-79) [NBP3-32988] - Immunofluorescence analysis of paraffin-embedded mouse hippocampus tissue labeling SynGAP with Rabbit anti-SynGAP antibody (NBP3-32988) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32988, green) at 1/1,000 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).





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### **Products Related to NBP3-32988**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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