

# Product Datasheet

## Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free NBP3-25706

Unit Size: 100 ul

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

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**NBP3-25706**

Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free

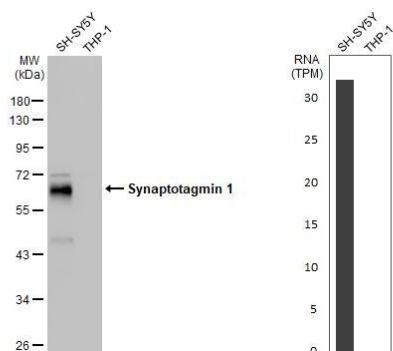
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HL1654
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	6857
Gene Symbol	SYT1
Species	Human, Mouse, Rat, Drosophila
Immunogen	Recombinant fragment of human Synaptotagmin 1.

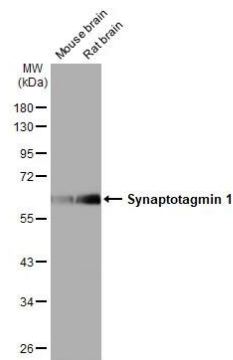
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence

**Images**

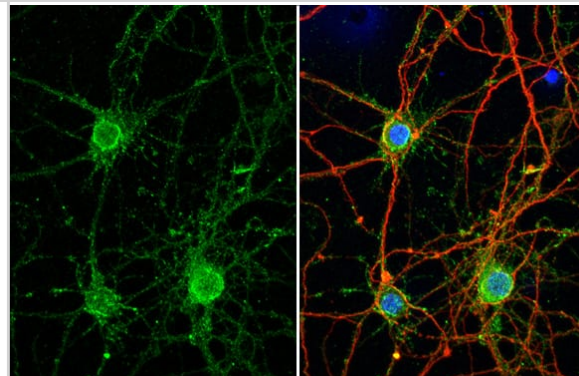
Western Blot: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



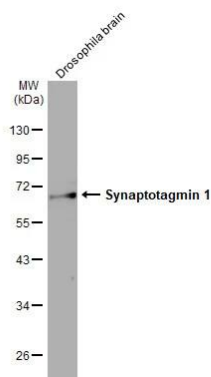
**Western Blot: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



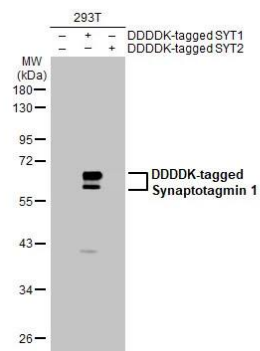
**Immunocytochemistry/Immunofluorescence: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Synaptotagmin 1 antibody [HL1654] detects Synaptotagmin 1 protein at cytoplasm by immunofluorescent analysis. Sample: DIV9 rat E18 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Synaptotagmin 1 stained by Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:250. Red: Tau, an axon marker, stained by Tau antibody [GT287] diluted at 1:500. Blue: Fluoroshield with DAPI .



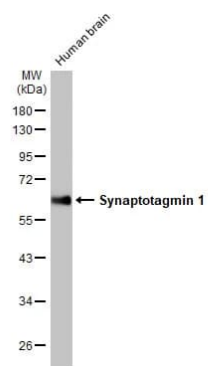
**Western Blot: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Drosophila tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



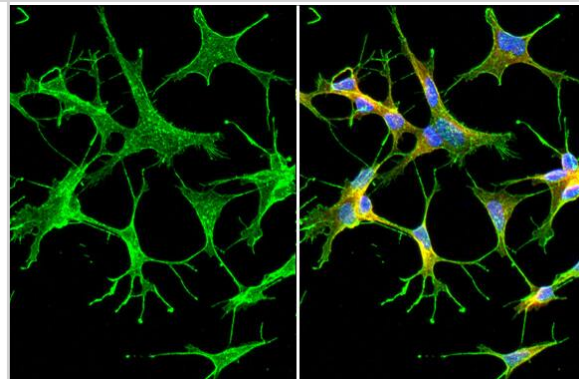
**Western Blot: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Non-transfected (-) and transfected (+) 293T whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Western Blot: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Human tissue extract (5 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Immunocytochemistry/Immunofluorescence: Synaptotagmin 1 Antibody (HL1654) - Azide and BSA Free [NBP3-25706]** - Synaptotagmin 1 antibody [HL1654] detects Synaptotagmin 1 protein by immunofluorescent analysis. Sample: SH-SY-5Y cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Synaptotagmin 1 stained by Synaptotagmin 1 antibody [HL1654] (NBP3-25706) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (NBP2-43837) diluted at 1:1000. Blue: Fluoroshield with DAPI .





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### **Products Related to NBP3-25706**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006857-P01-10ug	Recombinant Human Synaptotagmin 1 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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