Product Datasheet

Bassoon Antibody (SAP7F407) - BSA Free
NB120-13249-0.2mg

Unit Size: 0.2 mg

Store at -20C. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 15

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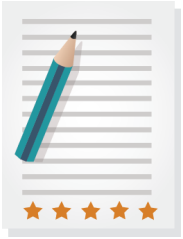
Updated 2/21/2025 v.20.1



NB120-13249-0.2mg

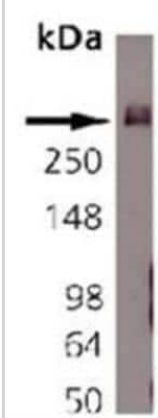
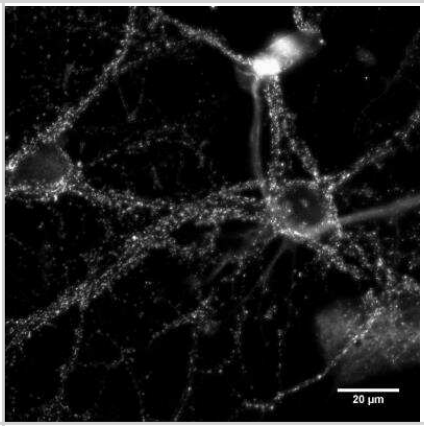
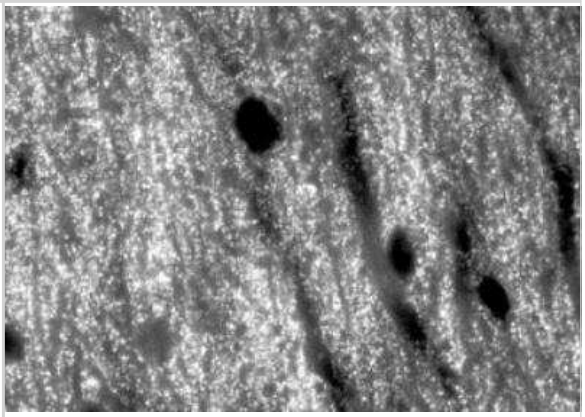
Bassoon Antibody (SAP7F407) - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SAP7F407
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol
Target Molecular Weight	400 kDa

Product Description	
Host	Mouse
Gene ID	8927
Gene Symbol	BSN
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This affinity purified detects an ~400 kDa protein, corresponding to the apparent molecular mass of Bassoon on SDSPAGE immunoblots, in samples from mouse and rat origins. Additional bands between 97 and 400 kDa may also be detected.
Immunogen	Recombinant rat Bassoon.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:400, Immunoprecipitation 2.5 ug, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen
Application Notes	Additional bands between 97 and 400 kDa are also identified and are reported to be proteolytic degradation products of Bassoon. Optimal dilutions/concentrations should be determined by the end user. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 28821669).

Images

Western Blot: Bassoon Antibody (SAP7F407) [NB120-13249] - Rat brain tissue lysate.	
Immunocytochemistry/Immunofluorescence: Bassoon Antibody (SAP7F407) [NB120-13249] - Rat Hippocampal Neuron, image courtesy of customer.	
Immunohistochemistry: Bassoon Antibody (SAP7F407) [NB120-13249] - Bassoon localization in the rat brain cerebellar molecular layer using Bassoon Monoclonal Antibody.	

Publications

Teo S, Bossio A, Stamatakou E et al. S-acylation of the Wnt receptor Frizzled-5 by zDHHC5 controls its cellular localization and synaptogenic activity in the rodent hippocampus Developmental cell 2023-08-04 [PMID: 37557176]

Henneberger C, Bard L, Panatier A et al. LTP Induction Boosts Glutamate Spillover by Driving Withdrawal of Perisynaptic Astroglia Neuron 2020-12-09 [PMID: 32976770]

Jones ME, Büchler J, Dufor T et al. A genetic variant of the Wnt receptor LRP6 accelerates synapse degeneration during aging and in Alzheimer's disease Science advances 2023-01-13 [PMID: 36638182] (IHC, Mouse)

Izquierdo P, Shiina H, Hirunpattarasilp C Et al. Synapse development is regulated by microglial THIK-1 K+ channels Proceedings of the National Academy of Sciences of the United States of America 2021-10-19 [PMID: 34642249] (IHC-FrFl, Mouse)

Won J, Pankratov Y, Jang MW Et al. Opto-vTrap, an optogenetic trap for reversible inhibition of vesicular release, synaptic transmission, and behavior Neuron 2021-11-24 [PMID: 34852235]

Mori Y, Takenaka KI, Fukazawa Y, Takamori S The endosomal Q-SNARE, Syntaxin 7, defines a rapidly replenishing synaptic vesicle recycling pool in hippocampal neurons Communications biology 2021-08-18 [PMID: 34408265] (ICC/IF, Mouse)

Banks GT, Guillaumin MCC, Heise I et al. Forward genetics identifies a novel sleep mutant with sleep state inertia and REM sleep deficits Sci Adv 2020-08-01 [PMID: 32851175] (ICC/IF, Human)

Liu X, Liu C, Ye J et al. Distribution of Acid Sensing Ion Channels in Axonal Growth Cones and Presynaptic Membrane of Cultured Hippocampal Neurons Front. Cell. Neurosci. 2020-07-07 [PMID: 32733209] (ICC/IF, Rat)

Banks GT, Guillaumin MCC, Heise I et al. Aberrant synaptic release underlies sleep/wake transition deficits in a mouse Vamp2 mutant bioRxiv 2020-01-01 (IP, Human)

Heller JP, Odii T, Zheng K, Rusakov DA Imaging tripartite synapses using super-resolution microscopy Methods 2019-05-31 [PMID: 31153907] (ICC/IF, Mouse)

Henneberger C, Bard L, Panatier A et al. LTP induction drives remodeling of astroglia to boost glutamate escape from synapses: Supplementary Figures researchgate.net 2018-06-17 (IF/IHC, Mouse)

Henneberger C, Bard L, Panatier A et al. LTP induction drives remodeling of astroglia to boost glutamate escape from synapses: Supplementary Figures researchgate.net Jun 17 2018 12:00AM (IHC, Rat)

More publications at http://www.novusbio.com/NB120-13249

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