

Product Datasheet

Bassoon Antibody (SAP7F407) - BSA Free NB120-13249

Unit Size: 0.05 mg

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

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NB120-13249

Bassoon Antibody (SAP7F407) - BSA Free

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.05 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 | |
| Description | Novus Biologicals Mouse Bassoon Antibody (SAP7F407) - BSA Free (NB120-13249) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Bassoon Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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 SDS-PAGE 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, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, 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). |

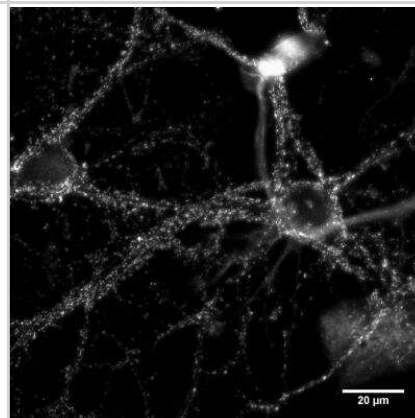


Images

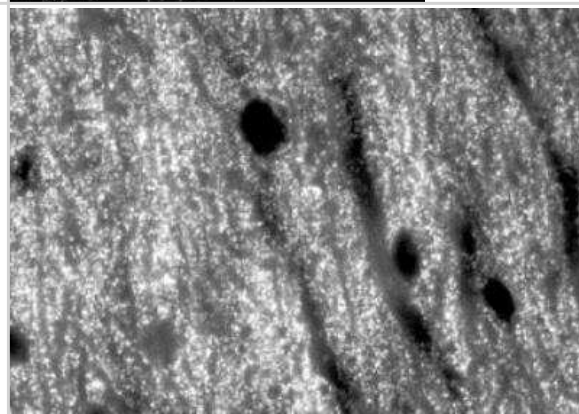
Western Blot: Bassoon Antibody (SAP7F407) [NB120-13249] - Rat brain tissue lysate.



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

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] (Immunocytochemistry/ Immunofluorescence, Rat)

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]

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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Products Related to NB120-13249

| | |
|------------------|--|
| 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] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK) |

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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