

Product Datasheet

Bassoon Antibody NBP1-46351

Unit Size: 0.1 ml

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

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NBP1-46351

Bassoon Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

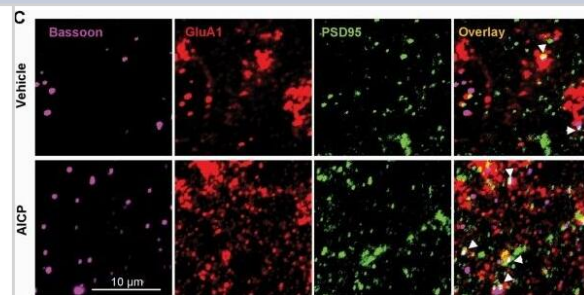
Product Description	
Description	Novus Biologicals Goat Bassoon Antibody (NBP1-46351) is a polyclonal antibody validated for use in IHC and WB. Anti-Bassoon Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	8927
Gene Symbol	BSN
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide from internal region of human Bassoon conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunohistochemistry-Paraffin 1:1000



Images

AICP treatment immediately after fear extinction increases synaptic α -amino-3-hydroxy-5-methyl-4-isoxazole propionic acid (AMPA) receptors. (A) Confocal images from basolateral amygdala (BLA) of vehicle-extinction (top) and AICP extinction (100 ng/side, i-BLA, bottom) WT mice immunostained for AMPA receptor GluA1 subunit and PSD 95. Arrowheads showing colocalized puncta. (B) Quantification of immunostaining; AICP treatment led to a significant increase in total GluA1 puncta ($P = .0196$). Trend for an increase in PSD 95 immunoreactive puncta in AICP-extinction group ($P = .0926$). Significant increase in total GluA1-PSD 95 colocalized puncta in AICP-extinction group ($P = .0002$). (C) Confocal images from BLA of vehicle-extinction (top) and AICP-extinction (bottom) WT mice immunostained for bassoon, GluA1 and PSD 95. Arrowheads show colocalized puncta. (D) Quantification of immunostaining. No significant change in bassoon-PSD 95 colocalized puncta by AICP ($P = .1387$). Significant increase in bassoon/GluA1/PSD 95 colocalized puncta ($P = .0282$) by AICP treatment. Bar graphs represent mean \pm SEM, each data point representing 22–24 images from $n = 3$ vehicle and $n = 5$ AICP mice. Data were analyzed by unpaired t test. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/34363482>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Shelkar GP, Liu J, Dravid SM Astrocytic NMDA receptors in the basolateral amygdala contribute to facilitation of fear extinction *The international journal of neuropsychopharmacology* 2021-08-07 [PMID: 34363482] (IF/IHC, Mouse)



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Products Related to NBP1-46351

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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