

Datasheet for 600-401-E93**BASSOON Antibody****Overview**

Description:	Anti-Bassoon (RABBIT) Antibody - 600-401-E93
Item No.:	600-401-E93
Size:	100 µg
Applications:	IHC, Multiplex, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Bassoon is a 420 kDa protein that is localized at the presynaptic nerve terminals and is believed to play a role in the structural and functional organization of the synaptic vesicle cycle. Bassoon is predicted to contain two double-zinc fingers, three coiled-coil regions, and two polyglutamine domains. The polyglutamine domains in the C-terminus are of interest, since it is known that for some human proteins, such as Huntingtin, abnormal amplification of this region can cause late-onset neurodegeneration. Bassoon is concentrated at sites opposite to postsynaptic densities in synaptic terminals and in cultured neurons, it is found to colocalize with GABA (A) and glutamate (GluR1) receptors.
Synonyms:	BSN, ZNF231, Neuronal double zinc finger protein, protein bassoon
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BSN
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Bassoon Antibody was produced from whole rabbit serum prepared by repeated immunizations with a N-terminal his-tagged fusion protein.

Purity/Specificity: Anti-Bassoon Antibody was purified by affinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Bassoon from Human, Mouse, and Rat based on 100% homology with the immunizing sequence. Other species not yet tested. Cross-reactivity with Bassoon from other sources has not been determined. Neuroscience research.

Relevant Links:

- [NCBI - NP_003449.2](#)
- [GeneID - 8927](#)
- [UniProtKB - Q9UPA5](#)

Application Details

Tested Applications: IHC, Multiplex, WB

Application Note: Anti-Bassoon Antibody is tested for use in WB and IHC-P. Expect a band approximately ~420kDa on specific lysates corresponding to the molecular mass of Bassoon. Multiple isoforms can be detected. Specific conditions for reactivity should be optimized by the end user. Product provided in PBS pH 7.4.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

IF: 1:400

IHC: User Optimized

WB: 1:1000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1mg/mL by UV absorbance at 280 nm

Buffer: 1X PBS, pH 7.4

Preservative: 0.09% (w/v) Sodium Azide

Stabilizer: 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

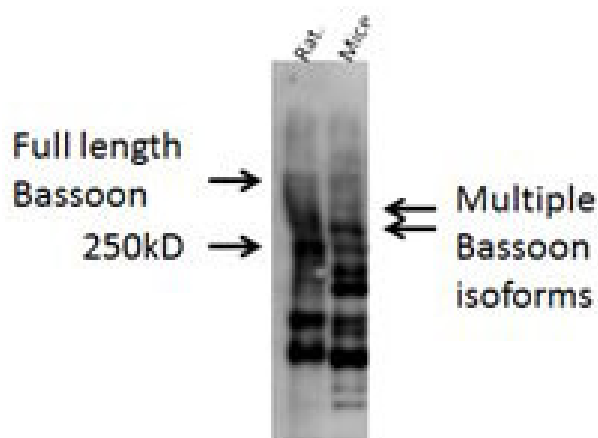
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-Bassoon antibody. Tissue: Adult mouse Neuromuscular junction whole muscle. Fixation: N/A. Primary Antibody: Basson antibody 1:400 1h at RT and BTX. Secondary antibody: Alexa 488 Goat anti-rabbit at 1:10,000 for 45 min at RT. Staining BTX and overlay of the BTX and Alexa488.



Western Blot

Western Blot of Rabbit Anti-Bassoon Antibody. Lane 1: Rat brain lysate. Lane 2: mouse brain lysate. Load: 20ug per lane. Primary antibody: Bassoon Antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-rabbit IgG HRP antibody at 1:40,000 for 45 min at RT. Block: 5% Blotto overnight at 4°C. Predicted/Observed size: Detects ~420kDa, corresponding to the molecular mass of Bassoon. Multiple isoforms can be detected.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.