

# Anti-Bassoon

Catalog# SPC-198D

Size: 100µg

PO Box 55036, Cadboro Bay  
3825 Cadboro Bay Road,  
Victoria, BC, V8N 4G0, Canada

This product is for *in vitro* research use only and is not intended for use in humans or animals

## StressMarq

Biosciences Inc.

Orders ● [sales@stressmarq.com](mailto:sales@stressmarq.com)  
Tel: ● +1 250 294 9065  
Fax: ● +1 250 294 9025  
Email ● [info@stressmarq.com](mailto:info@stressmarq.com)  
Web ● [www.stressmarq.com](http://www.stressmarq.com)

Product	Rabbit anti-Bassoon, Polyclonal
Clone	N/A
Immunogen	NM_003458.3 (AA 786-1041) N-terminal his-tagged fusion protein
Host and Subclass	Rabbit polyclonal
Cited Applications	WB, IHC
Specificity	No cross-reactivity to Piccolo, band at about 420 kD corresponding to the molecular weight of Bassoon, multiple isoforms can be detected
Species cross-reactivity	Human, Mouse, Rat. Other species not yet tested
Format	Protein G Purified. In PBS pH7.4, 50% glycerol and 0.09% sodium azide.
Concentration and working dilution	1mg/mL; 1:1000 (WB). For large isoforms reduce dilution
Storage and stability	-20°C; 1 year+; shipped on cold packs or ambient

### Scientific Background

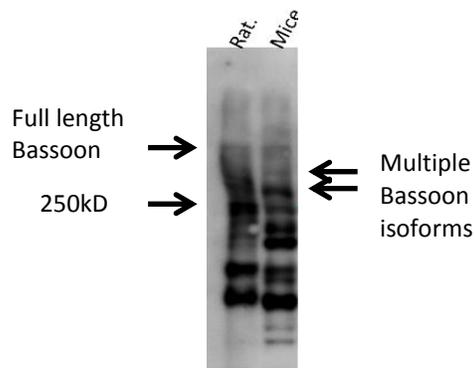
Bassoon (1) is a 420 kDa protein that is localized at the presynaptic nerve terminals and is believed to play a role in the structural and functional organization of the synaptic vesicle cycle. Bassoon is predicted to contain two double-zinc fingers, three coiled-coil regions, and two polyglutamine domains. 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, and it is found to co-localize with GABA (A) and glutamate (GluR1) receptors.

### Selected References

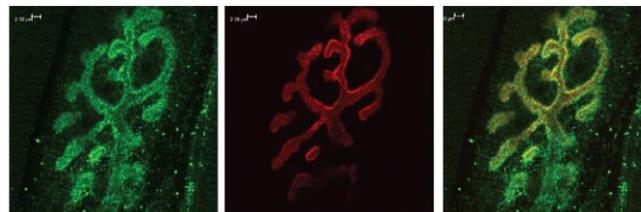
1. Dondzillo A., et al. (2010) *J. Comp. Neur.* 518(7): 1008-1029.

### Certificate of Analysis

\*\*\*\*\*  
1µg/mL of SPC-198 was sufficient for detection of Bassoon in 10µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.  
\*\*\*\*\*



Bassoon Western Blot, Mouse and rat brain lysate (10µg), 1µg/ml dilution.



Bassoon, BTX and overlay. Neuromuscular junction whole muscle samples from adult mouse, with 1:400 dilution SPC-198, secondary (Alexa 488 goat anti-rabbit IgG, IgM (H+L) from invitrogen (#A-10680)). It shows bright staining of the NMJ very selectively and in some terminals, very brightly.

# Material Safety Data Sheet

## Anti- Bassoon (Polyclonal Antibody) SPC-198

This product is for *in vitro* research use only and is not intended for use in humans or animals

The below information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StressMarq shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

---

### Hazardous Ingredients

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing. Direct physical contact with this product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Sodium Azide	26628-22-8	0.09

---

### Physical Data

This product consists of mouse immunoglobulin in PBS containing 0.09% azide in 50% glycerol, shipped on gel packs. The physical properties of this product have not been investigated thoroughly.

---

### Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

---

### Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

---

### Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

---

### Spill and Leak Procedures

Observe all federal, state and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

---

### First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.