# Rabbit Bassoon Polyclonal Antibody | anti-BSN antibody

Bassoon Antibody: Biotin

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA103763** | **Rabbit** | **Human, Mouse, Rat** | **Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

Bassoon; Polyclonal Antibody; Bassoon Antibody: Biotin; BSN; ZNF231; Neuronal double zine finger protein; anti-BSN antibody

## PRODUCT SPECIFICATIONS

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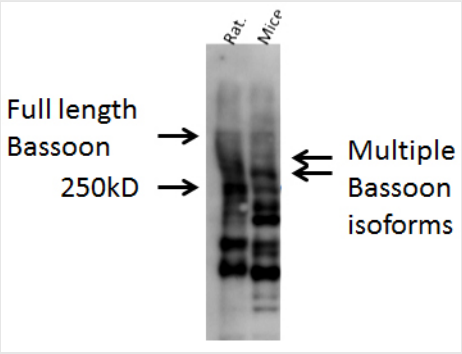
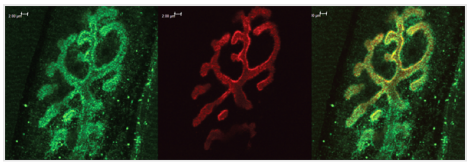
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Form/Format** | Protein G Purified |
| **Concentration** | 1mg/mL (varies by lot) |
| **Sequence Length** | 3926 |
| **Applicable Applications for anti-BSN antibody** | IHC (Immunohistochemistry), WB (Western Blot) |
| **Conjugate** | Biotin |
| **Storage Buffer** | PBS pH7.4, 50% glycerol, 0.09% sodium azide |
| **Preparation and Storage** | -20 degree C |

## IMAGES




**WB (Western Blot)**
Western blot analysis of Mouse, Rat brain cell lysates showing detection of Bassoon protein using Rabbit Anti-Bassoon Polyclonal Antibody (SPC-198). Primary Antibody: Rabbit Anti-Bassoon Polyclonal Antibody (SPC-198) at 1:1000.



**IHC (Immunohistochemistry)**
Immunohistochemistry analysis using Rabbit Anti-Bassoon Polyclonal Antibody (SPC-198). Tissue: Muscle. Species: Mouse. Primary Antibody: Rabbit Anti-Bassoon Polyclonal Antibody (SPC-198) at 1:400. Secondary Antibody: Alexa Fluor 488 Goat Anti-Rabbit. Counterstain: BTX (red). Localization: Selective staining of the NMJ.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-BSN antibody** | **Background Info:** Detects ~420kDa, corresponding to the molecular mass of Bassoon. Multiple isoforms can be detected. No cross-reactivity to Piccolo.<br><br>**Scientific Background:** Bassoon (1) is a 420 kDa protein that is a 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 Huntington, 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 co-localize with GABA (A) and glutamate (GluR1) receptors. |
| **Product Categories/Family for anti-BSN antibody** | Neuroscience |
| **References** | 1. Anna Dondzillo et al., (2010) J. Comp Neur, 518(7): 1008-1029. |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 91208420 |
| **NCBI GeneID** | 8927 |
| **NCBI Accession #** | NP_003449.2 |
| **NCBI GenBank Nucleotide #** | NM_003458.3 |
| **UniProt Accession #** | Q9UPA5; O43161; Q7LGH3 |
| **Molecular Weight** | 416,469 Da |
| **NCBI Official Full Name** | protein bassoon |
| **NCBI Official Synonym Full Names** | bassoon presynaptic cytomatrix protein |
| **NCBI Official Symbol** | BSN |
| **NCBI Official Synonym Symbols** | ZNF231 |
| **NCBI Protein Information** | protein bassoon; zinc finger protein 231; neuronal double zinc finger protein; bassoon (presynaptic cytomatrix protein) |
| **UniProt Protein Name** | Protein bassoon |
| **UniProt Gene Name** | **BSN** |
| **UniProt Synonym Gene Names** | KIAA0434; ZNF231 |
| **UniProt Entry Name** | BSN_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/bassoon-antibody-immunohistochemistry-western-blot-elisa/103763