Rabbit Bassoon Polyclonal Antibody | anti-BSN antibody

Bassoon Antibody: RPE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103487	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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	RPE
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

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. **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://stage.aaabiotech.com/polyclonal/bassoon-antibody-immunohistochemistry-western-blot-elisa/103487