

## Product datasheet for **TA326448**

### Bassoon (BSN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	NM_003458.3 (AA 786-1041) N-terminal his-tagged fusion protein
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	bassoon presynaptic cytomatrix protein
Database Link:	<a href="#">NP_003449</a> <a href="#">Entrez Gene 12217 Mouse</a> <a href="#">Entrez Gene 29138 Rat</a> <a href="#">Entrez Gene 8927 Human</a> <a href="#">Q9UPA5</a>

**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.

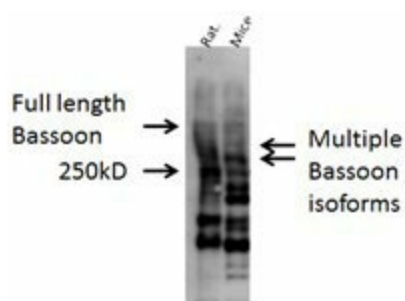
**Synonyms:** ZNF231

**Note:** Detects ~420kDa, corresponding to the molecular mass of Bassoon. Multiple isoforms can be detected.



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## Product images:



Western blot analysis of Bassoon in mouse and rat brain lysate using a 1:1000 dilution of the antibody



Bassoon, BTX and overlay. Neuromuscular junction whole muscle samples from adult mouse with 1:400 dilution of the antibody, secondary (Alexa 488 goat anti-rabbit). It shows bright staining of the NMJ very selectively and brightly.