

## Product datasheet for **TA326448**

### Bassoon (BSN) Rabbit Polyclonal Antibody

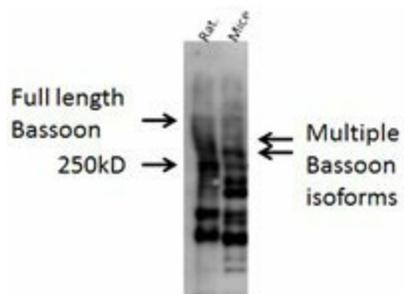
#### Product data:

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.