

## Anti-Bassoon Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 56495

**Size:** 100ug in PBS, pH 7.4 (1mg/ml).

Purified by Protein G affinity chromatography.

### BACKGROUND

Bassoon, a 420kDa protein, is localized at presynaptic nerve terminals and appears 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 C-terminal regions of the polyglutamine domains are of interest since abnormal amplification of this region in some human proteins, such as Huntingtin, can cause late-onset neurodegeneration.

### SPECIFICATION SUMMARY

**Antigen:** Fusion protein corresponding to aa786-1041 (N-terminal) of human Bassoon (accession no. NM\_003458.3).

**Host Species:** Rabbit

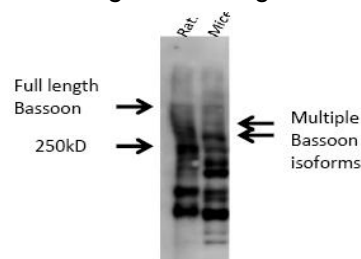
**Antibody Class:** Polyclonal

### SPECIFICITY

This antibody recognizes human, mouse, and rat Bassoon. Multiple isoforms are detected.

### APPLICATIONS

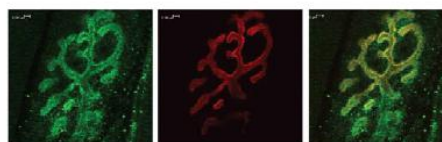
*Immunoblotting:* use at 1ug/ml.



*Immunoblot on rat and mouse brain lysates.*

*Immunohistochemistry:* use at 1-10ug/ml.

*Immunofluorescence:* use at 1-10ug/ml.



*Bassoon, BTX, and overlay. Neuromuscular junction whole muscle samples from adult mouse with #56495 diluted 1:400 and Alexa 488-conjugated secondary antibody.*

*Positive control:* Rat brain tissue lysate

These are recommended concentrations; enduser should determine optimal concentrations for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.*