

Datasheet for ABIN2484533

anti-Bassoon antibody (AA 786-1041) (Atto 488)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Bassoon (BSN)
Binding Specificity:	AA 786-1041
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bassoon antibody is conjugated to Atto 488
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	NM_003458.3 (AA 786-1041) N-terminal his-tagged fusion protein
Specificity:	Detects ~420 kDa. Multiple isoforms can be detected.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein A Purified

Target Details

Target:	Bassoon (BSN)
Alternative Name:	Bassoon (BSN Products)
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.

Target Details

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 (1).

Gene ID: 8927

NCBI Accession: [NP_003449](#)

UniProt: [Q9UPA5](#)

Application Details

Application Notes:

- WB (1:1000)
- IHC (1:400)
- optimal dilutions for assays should be determined by the user.

Comment: 1 µg/ml of ABIN2484533 was sufficient for detection of Bassoon in 10 µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat ant rabbit IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

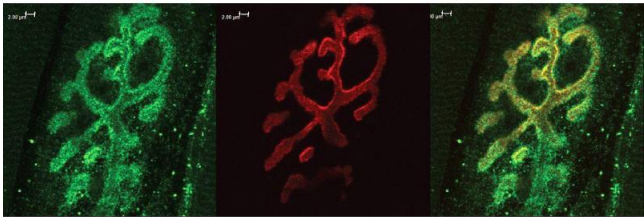
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



Immunohistochemistry

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



Western Blotting

Image 2. Western blot analysis of Mouse, Rat brain cell lysates showing detection of Bassoon protein using Rabbit Anti-Bassoon Polyclonal Antibody . Primary Antibody: Rabbit Anti-Bassoon Polyclonal Antibody at 1:1000.