



Bassoon/BSN mouse mAb

Catalog No	YP-mAb-18192
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BSN KIAA0434 ZNF231
Immunogen	Synthesized peptide derived from human Bassoon/BSN
Specificity	This antibody detects endogenous levels of Bassoon/BSN at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse, IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BSN;ZNF231;Zinc finger protein 231;Protein bassoon;KIAA434;BSN KIAA0434 ZNF231;Protein bassoon (Zinc finger protein 231)
Observed Band	432kD
Calculated Molecular Weight	416 kDa
Cell Pathway	Cytoplasm . Cell junction, synapse, presynaptic active zone . Cytoplasm, cytoskeleton . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein . In retina, is localized in the outer plexiform layer at ribbon synapses formed by rods and cones but was absent from basal synaptic contacts formed by cones. In the retinal inner plexiform layer localized to conventional inhibitory GABAergic synapses, made by amacrine cells, but absent from
Tissue Specificity	
Function	Scaffold protein of the presynaptic cytomatrix at the active zone (CAZ) which is the place in the synapse where neurotransmitter is released . After synthesis, participates in the formation of Golgi-derived membranous organelles termed Piccolo-Bassoon transport vesicles (PTVs) that are transported along axon to sites of nascent synaptic contacts . At the presynaptic active zone, regulates the spatial organization of synaptic vesicle cluster, the protein



complexes that execute membrane fusion and compensatory endocytosis (By similarity). Functions also in processes other than assembly such as the regulation of specific presynaptic protein ubiquitination by interacting with SIAH1 or the regulation of presynaptic autophagy by associating with ATG5 (By similarity). Mediates also synapse to nucleus communication leading to reconfiguration of gene expression by associating with the transcrip

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images