

bs-8845R**[Primary Antibody]****BioSS**
ANTIBODIES

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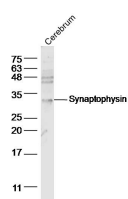
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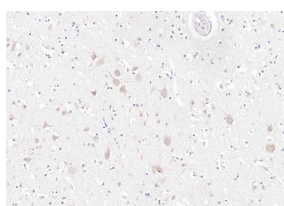
400-901-9800

Synaptophysin Rabbit pAb**DATASHEET**

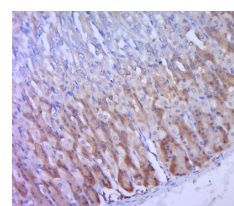
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6855	SWISS: P08247	IHC-F (1:100-500)
Target: Synaptophysin		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Synaptophysin: 151-250/313.		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 34 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
Background: This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR). [provided by RefSeq, Aug 2011]		

VALIDATION IMAGES

Sample: Cerebrum (mouse) Lysate at 40 ug
 Primary: Anti- Synaptophysin (bs-8845R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 34 kD
 Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Synaptophysin) Polyclonal Antibody, Unconjugated (bs-8845R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Synaptophysin) Polyclonal Antibody, Unconjugated (bs-8845R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=5.702]** Yue-Ming Zhang. et al. Long-term environmental enrichment overcomes depression, learning, and memory impairment in elderly CD-1 mice with maternal sleep deprivation exposure. FRONT AGING NEUROSCI. 2023; 15: 1177250 WB ;Mouse. 37168717
- **[IF=3.6]** Yue-Ming Zhang. et al. Resveratrol prevents cognitive deficits induced by sleep deprivation via modulating sirtuin 1 associated pathways in the hippocampus. J BIOCHEM MOL TOXIC. 2024 Mar;38(4):e23698 WB ;Mouse. 38501767
- **[IF=2.889]** Bin Liu. et al. Nicotinamide Improves Cognitive Function in Mice With Chronic Cerebral Hypoperfusion. Front Neurol. 2021; 12: 596641 WB,IHC ;Mouse. 33569040

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=2.923]** Heng Yang. et al. miR-665 overexpression inhibits the apoptosis of luteal cells in small ruminants suppressing HPGDS. THERIOGENOLOGY. 2023 Aug;206:40 ICC ;Sheep. 37178673
- **[IF=3.3]** Yue-Ming Zhang. et al. Sleep deprivation aggravates lipopolysaccharide-induced anxiety, depression and cognitive impairment: The role of pro-inflammatory cytokines and synaptic plasticity-associated proteins. J NEUROIMMUNOL. 2024 Jan;386:578252 WB ;Mouse. 38086228