bs-1131R **[Primary Antibody]**

SNAP25 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6616 **SWISS:** P60880

Target: SNAP25

Immunogen: KLH conjugated synthetic peptide derived from human SNAP-25: 166-206/206.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Background: Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

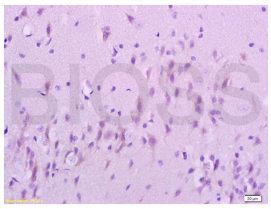
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Cow, Chicken)

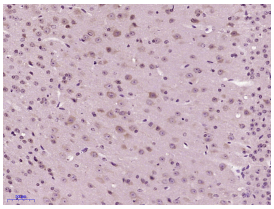
Predicted MW.: 23 kDa

Subcellular Location: Cell membrane ,Cytoplasm

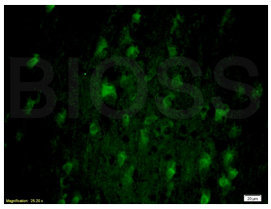
VALIDATION IMAGES



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-SNAP-25 Polyclonal Antibody, Unconjugated(bs-1131R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (SNAP25) Polyclonal Antibody, Unconjugated (bs-1131R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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SELECTED CITATIONS

- **[IF=5.47]** Wang, Wei, et al. "SNAP25 Ameliorates Sensory Deficit in Rats with Spinal Cord Transection." Molecular Neurobiology (2014): 1-15. IHC ;="Rat". 24519330
- **[IF=3.1]** Erol Suleyman. et al. In vitro evaluation of exocytosis-associated SNARE molecules in human granulosa cells in polycystic ovary syndrome. J ASSIST REPROD GEN. 2023 Nov;:1-13 IF ;Human. 37993579

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