SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-GABA antibody

Catalog Number: SL2252R

FOR RESEARCH USE ONLY

[DATASHEET]

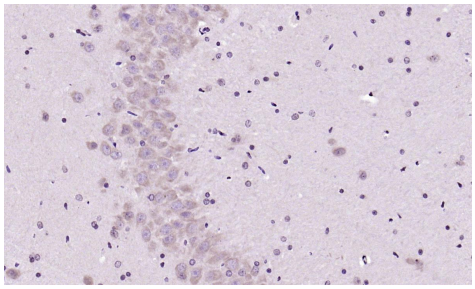
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GABA
Immunogen:	KLH conjugated GABA
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Species independent
Predicted MW.:	0.1031kDa
Subcellular Location:	cytoplasmic The cell membrane Secretory protein
Background:	Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABA acts at inhibitory synapses in the brain and spinal cord. Inhibition is provoked by GABA binding resulting in hyperpolarization of the synaptic transmembrane potential of the affected neuron. GABA binding causes ion channels to open allowing either the flow of chloride or potassium ions into or out of the cell. **SWISS:** N/A CAS: 56-12-2 Gamma-aminobutyric acid (GABA) is a naturally occurring non-protein amino acid and an important inhibitory neurotransmitter in the mammalian central nervous system. About 50% of central nervous system synapses use GABA as a transmitter. It plays an important role in the human cerebral cortex, hippocampus, thalamus, basal ganglia, and cerebellum, and has a regulatory

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

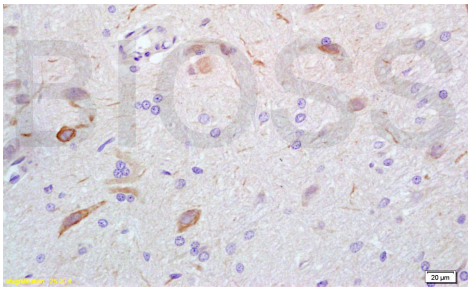
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	effect on various functions of the body. When GABA is deficient in the human body, emotions such as anxiety, restlessness, fatigue, and worry can occur. Generally, people who are under long-term high pressure, such as those in competitive environments, athletes, and office workers, are very likely to be deficient in GABA and need timely supplementation to relieve emotions.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat 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 (GABA) Polyclonal Antibody, Unconjugated (SL2252R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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-GABA Polyclonal Antibody, Unconjugated(SL2252R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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