



## Rabbit Anti-GABA antibody

SL2252R

<b>Product Name:</b>	GABA
<b>Chinese Name:</b>	兔抗 $\gamma$ 氨基丁酸抗体
<b>Alias:</b>	gamma-aminobutyric acid; gamma aminobutyric acid; 4 aminobutanoic acid; Gamma amino butyric acid; $\gamma$ -aminobutyric acid (GABA).
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Rat,GABA
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	0.1031kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated GABA:
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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

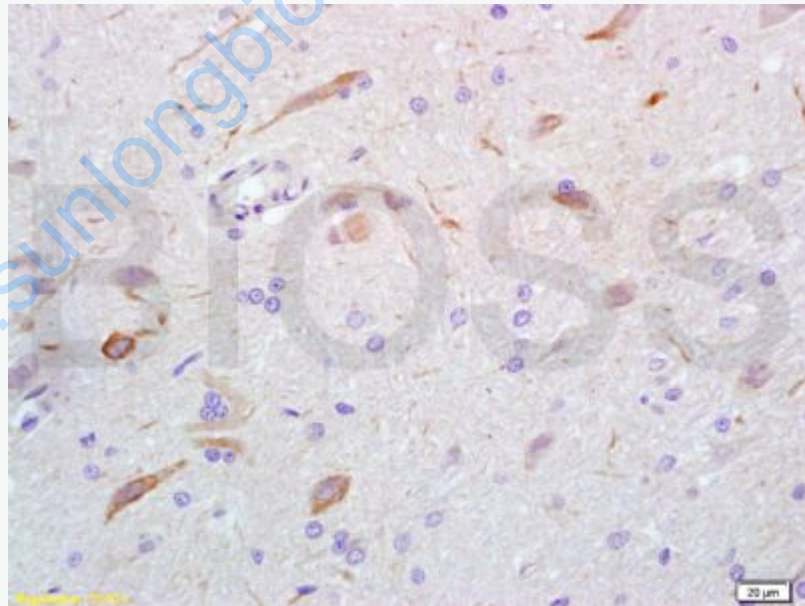
**Important Note:**

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

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氨基丁酸(简称GABA)是一种天然存在的非蛋白质氨基酸,是哺乳动物中枢神经系统中重要的抑制性神经传达物质,约50%的中枢神经突触部位以GABA为递质。在人体大脑皮质、海马、丘脑、基底神经节和小脑中起重要作用,并对机体的多种功能具有调节作用。当人体内GABA缺乏时,会产生焦虑、不安、疲倦、忧虑等情绪,一般长久处于高压压力族群如身处竞争环境中的人群、运动员、上班族等,都很容易缺乏GABA需要及时补充以便舒缓情绪。

**Picture:**



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-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

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