

Datasheet for ABIN679013

**anti-GABA antibody****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	GABA
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABA antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated GABA
Isotype:	IgG
Cross-Reactivity:	Rat
Cross-Reactivity (Details):	GABA
Purification:	Purified by Protein A.

## Target Details

Target:	GABA
Alternative Name:	Gaba ( <a href="#">GABA Products</a> )
Target Type:	Amino Acid
Background:	Synonyms: gamma-aminobutyric acid, gamma aminobutyric acid, 4 aminobutanoic acid, GABA,

## Target Details

Gamma amino butyric acid.

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.

## Application Details

Application Notes: IHC-P 1:100-500  
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

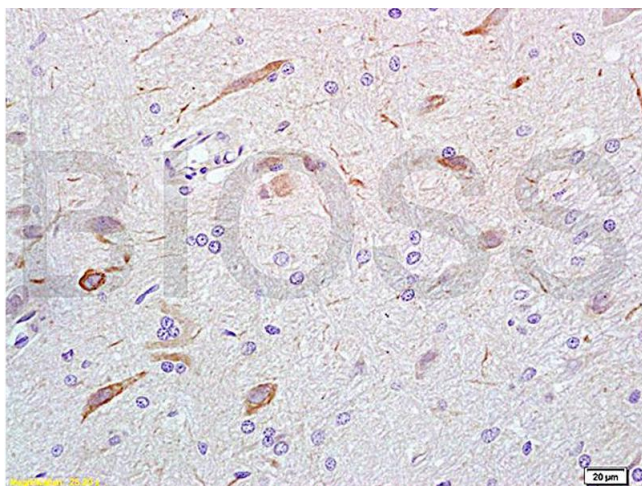
Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

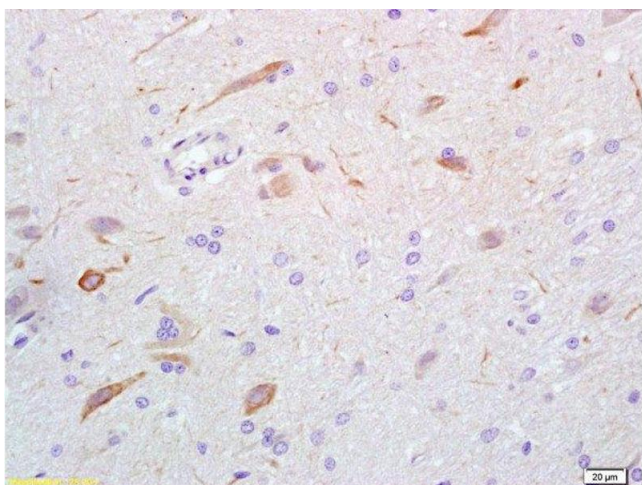
## Publications

Product cited in: Luo, Guo, Fan, Lu, Chen, Wang, Shao, Wu, Xu, Lü: "Niche astrocytes promote the survival, proliferation and neuronal differentiation of co-transplanted neural stem cells following ischemic stroke in rats." in: **Experimental and therapeutic medicine**, Vol. 13, Issue 2, pp. 645-650, (2017) ([PubMed](#)).



### Immunohistochemistry

**Image 1.** Formalin-fixed and rat brain tissue labeled with Anti-GABA Polyclonal Antibody, Unconjugated (ABIN679013) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and rat brain tissue labeled with Anti-GABA Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining