

Datasheet for ABIN7127506

**Recombinant anti-GABRA5 antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	GABRA5
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GABRA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	A synthesized peptide derived from human GABA A Receptor alpha 5
Clone:	5C11
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

## Target Details

Target:	GABRA5
Alternative Name:	GABRA5 ( <a href="#">GABRA5 Products</a> )
Background:	Background: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates

## Target Details

neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.

Aliases: Gamma-aminobutyric acid receptor subunit alpha-5 (GABA(A) receptor subunit alpha-5), GABRA5

UniProt: [P31644](#)

Pathways: [Sensory Perception of Sound](#), [Synaptic Membrane](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

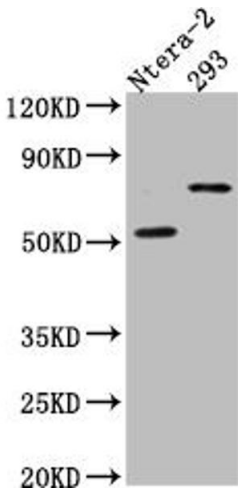
Preservative: Sodium azide

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

Storage: -20 °C,-80 °C

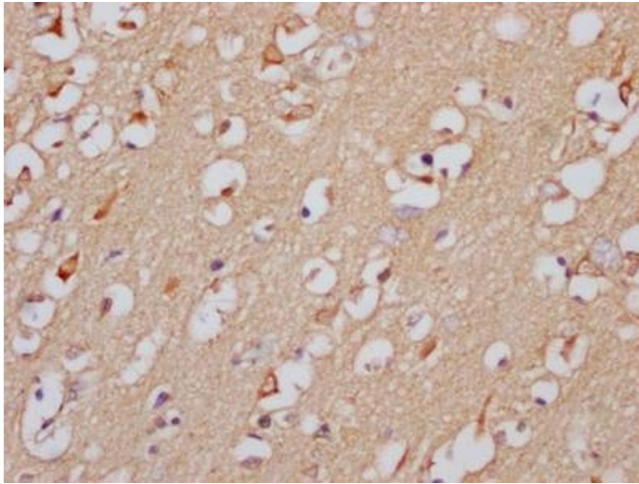
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Western Blotting

**Image 1.** Western Blot Positive WB detected in: Ntera-2 whole cell lysate, HEK293 whole cell lysate All lanes: GABA A Receptor alpha 5 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 53 kDa Observed band size: 70 kDa



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7127506 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.