

**GABRB1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13643****Specification**

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**GABRB1 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P18505</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

**GABRB1 Antibody - Additional Information****Gene ID** 2560**Other Names**

Gamma-aminobutyric acid receptor subunit beta-1, GABA(A) receptor subunit beta-1, GABRB1

**Target/Specificity**

Human GABA A Receptor beta 1. Predicted cross-reactivity based on amino acid sequence homology: mouse (89%), rat (89%), bovine (89%), zebrafish (90%).

**Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

**Precautions**

GABRB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**GABRB1 Antibody - Protein Information****Name** GABRB1**Function**

Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as a receptor for diazepam and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as a ligand-gated chloride channel.

**Cellular Location**

Postsynaptic cell membrane {ECO:0000250|UniProtKB:P50571}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P50571}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P50571}

**Volume**

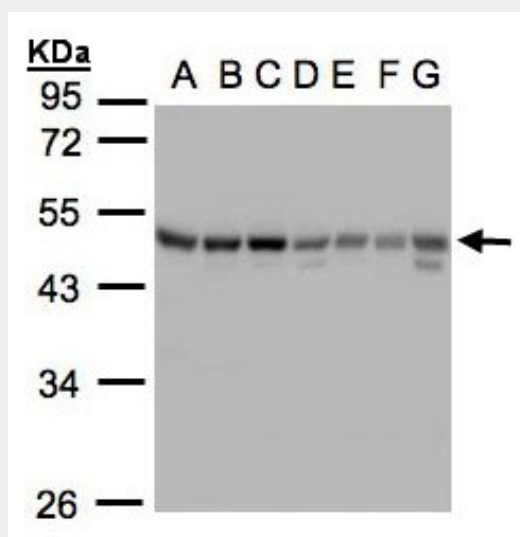
50 µl

## GABRB1 Antibody - Protocols

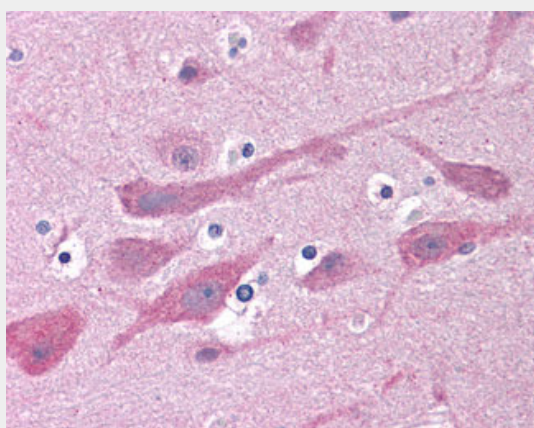
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

## GABRB1 Antibody - Images



Sample(30g whole cell lysate).



Anti-GABRB1 antibody IHC of human brain, cortex.

## GABRB1 Antibody - Background

Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepam and various anesthetics, such as pentobarbital;

these are bound at a separate allosteric effector binding site. Functions as ligand- gated chloride channel (By similarity).

#### **GABRB1 Antibody - References**

Schofield P.R.,et al.FEBS Lett. 244:361-364(1989).  
Kirkness E.F.,et al.Genomics 10:985-995(1991).  
Corominas R.,et al.Nat. Commun. 5:3650-3650(2014).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hillier L.W.,et al.Nature 434:724-731(2005).