

**GABRG3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5319**

**Specification**

---

**GABRG3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q99928</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=54,29;M=54 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**GABRG3 Antibody (N-term) - Additional Information**

**Gene ID** 2567

**Antigen Region**  
1-29

**Other Names**  
GABRG3; Gamma-aminobutyric acid receptor subunit gamma-3; GABA(A) receptor subunit gamma-3

**Dilution**  
WB~~1:1000

**Target/Specificity**  
This GABRG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from the N-terminal region of human GABRG3.

**Format**  
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**  
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**  
GABRG3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GABRG3 Antibody (N-term) - Protein Information**

**Name** GABRG3**Function**

GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.

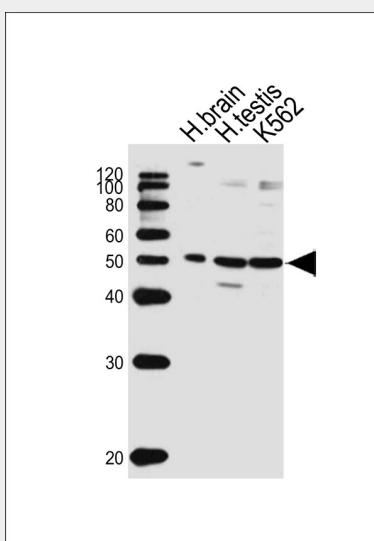
**Cellular Location**

Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

**GABRG3 Antibody (N-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GABRG3 Antibody (N-term) - Images**

Western blot analysis of lysates from human brain, human testis tissue lysate, K562 cell line (from left to right), using GABRG3 Antibody (N-term) (Cat. #AW5319). AW5319 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

**GABRG3 Antibody (N-term) - Background**

GABRG3 is a family of proteins involved in the GABAergic neurotransmission of the mammalian central nervous system. GABRG3 is a member of the GABA-A receptor gene family of heteromeric pentameric ligand-gated ion channels through which GABA, the major inhibitory neurotransmitter in the mammalian brain, acts. GABA-A receptors are the site of action of a number of important pharmacologic agents including barbiturates, benzodiazepines, and ethanol (summary by Whiting

et al., 1999 [PubMed 10414349]). For additional general information about the GABA-A receptor gene family, see GABRA1 (MIM 137160).

#### **GABRG3 Antibody (N-term) - References**

Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009)

Chakrabarti, B., et al. Autism Res 2(3):157-177(2009)

Tabakoff, B., et al. BMC Biol. 7, 70 (2009)