

**GABRD Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9299c****Specification**

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**GABRD Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">O14764</a>
Other Accession	<a href="#">P22933</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	331-358

**GABRD Antibody (Center) - Additional Information****Gene ID** 2563**Other Names**

Gamma-aminobutyric acid receptor subunit delta, GABA(A) receptor subunit delta, GABRD

**Target/Specificity**

This GABRD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-358 amino acids from the Central region of human GABRD.

**Dilution**

WB~~1:2000  
IHC-P~~1:50~100  
FC~~1:10~50

**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**

GABRD Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**GABRD Antibody (Center) - Protein Information****Name** GABRD**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

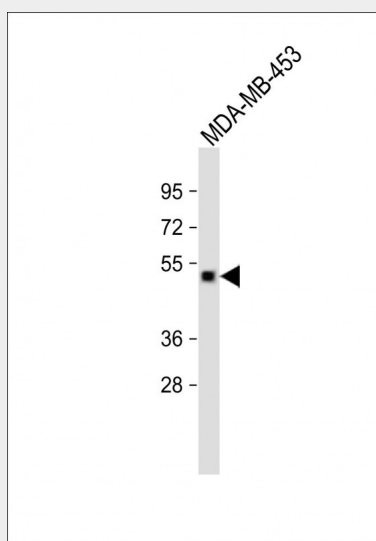
Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

#### GABRD Antibody (Center) - Protocols

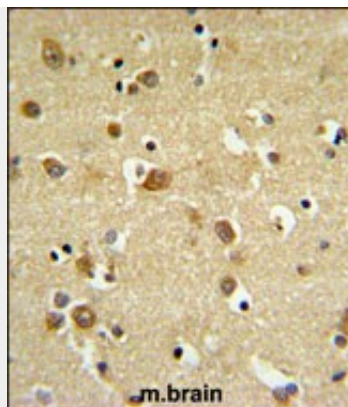
Provided below are standard protocols that you may find useful for product applications.

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

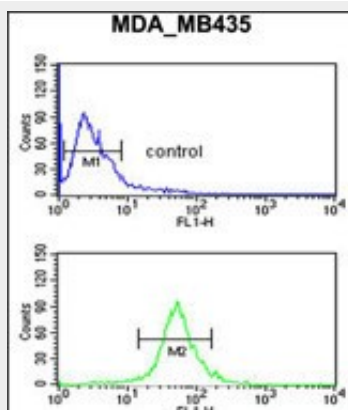
#### GABRD Antibody (Center) - Images



All lanes : Anti-GABRD Antibody (Center) at 1:2000 dilution Lane 1: MDA-MB-453 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GABRD Antibody (Center) (Cat. #AP9299c) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GABRD Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



GABRD Antibody (Center) (Cat. #AP9299c) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **GABRD Antibody (Center) - Background**

GABRD is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This protein encodes the delta subunit.

### **GABRD Antibody (Center) - References**

Gratacos, M., et al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009)  
Maldonado-Aviles, J.G., et al., Am J Psychiatry 166 (4), 450-459 (2009)  
Tabakoff, B., et al., BMC Biol. 7, 70 (2009)