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Datasheet for ABIN653247  
**anti-GABRD antibody (AA 331-358)**

3 Images

### Overview

Quantity:	400 µL
Target:	GABRD
Binding Specificity:	AA 331-358
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRD antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	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.
Clone:	RB23938
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	GABRD
Alternative Name:	GABRD ( <a href="#">GABRD Products</a> )

## Target Details

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**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.

**Molecular Weight:** 50708

**Gene ID:** 2563

**NCBI Accession:** [NP\\_000806](#)

**UniProt:** [O14764](#)

## Application Details

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**Application Notes:** WB: 1:2000. IHC-P: 1:50~100. FC: 1:10~50

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

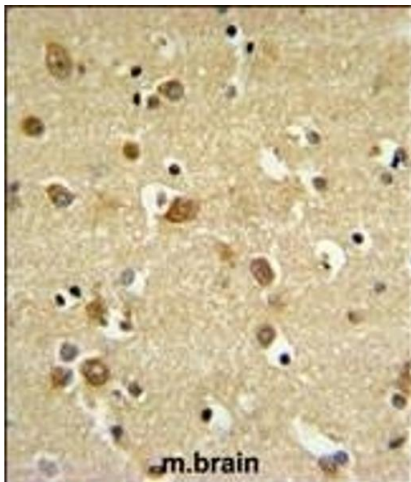
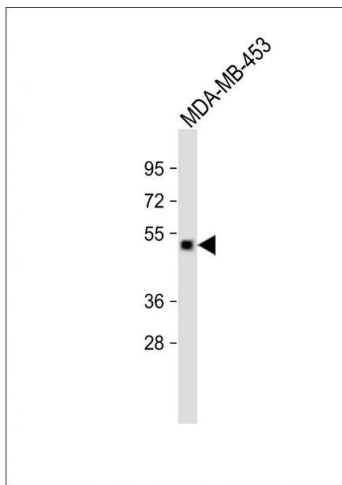
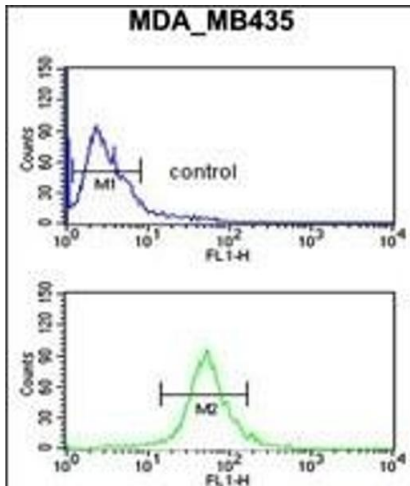
**Preservative:** Sodium azide

**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:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



### Flow Cytometry

**Image 1.** GABRD Antibody (Center) (ABIN653247 and ABIN2842772) flow cytometric analysis of MDA-M cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** 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.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** GABRD Antibody (Center) (ABIN653247 and ABIN2842772) 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.