

#### OriGene Technologies, Inc.

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# Product datasheet for TA338795

#### GABA A Receptor gamma 2 (GABRG2) Rabbit Polyclonal Antibody

### **Product data:**

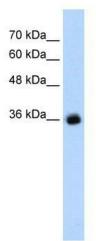
| Product Type:           | Primary Antibodies                                                                                                                                                                                                   |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications:           | WB                                                                                                                                                                                                                   |
| Recommended Dilution:   | WB                                                                                                                                                                                                                   |
| Reactivity:             | Human                                                                                                                                                                                                                |
| Host:                   | Rabbit                                                                                                                                                                                                               |
| lsotype:                | IgG                                                                                                                                                                                                                  |
| Clonality:              | Polyclonal                                                                                                                                                                                                           |
| Immunogen:              | The immunogen for anti-GABRG2 antibody: synthetic peptide directed towards the C terminal of human GABRG2. Synthetic peptide located within the following region: AMDLFVSVCFIFVFSALVEYGTLHYFVSNRKPSKDKDKKKKNPAPTIDIR |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>Note that this product is shipped as lyophilized powder to China customers.                                     |
| Concentration:          | lot specific                                                                                                                                                                                                         |
| Purification:           | Protein A purified                                                                                                                                                                                                   |
| Conjugation:            | Unconjugated                                                                                                                                                                                                         |
| Storage:                | Store at -20°C as received.                                                                                                                                                                                          |
| Stability:              | Stable for 12 months from date of receipt.                                                                                                                                                                           |
| Predicted Protein Size: | 36 kDa                                                                                                                                                                                                               |
| Gene Name:              | gamma-aminobutyric acid type A receptor gamma2 subunit                                                                                                                                                               |
| Database Link:          | <u>NP 944493</u><br><u>Entrez Gene 2566 Human</u><br><u>P18507</u>                                                                                                                                                   |



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|                   | GABA A Receptor gamma 2 (GABRG2) Rabbit Polyclonal Antibody – TA338795                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory<br>neurotransmitter in the mammlian brain, where it acts at GABA-A receptors, which are ligand-<br>gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from<br>several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been<br>associated with epilepsy and febrile seizures. Multiple transcript variants encoding different<br>isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] |
| Synonyms:         | CAE2; ECA2; GEFSP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Note:             | lmmunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:<br>100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Families: | Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Pathways  | s: Neuroactive ligand-receptor interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Product images:



WB Suggested Anti-GABRG2 Antibody Titration: 1.25 ug/ml; Positive Control: HepG2 cell lysate

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