

# GABARAPL2 Recombinant Rabbit mAb

Catalog # AP96643

## Product Information

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| <b>Application</b>                      | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                       | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host</b>                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality</b>                        | Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated MW</b>                    | 14 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>                        | A synthesized peptide derived from human GABARAPL2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Epitope Specificity</b>              | 70-117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer</b>                           | 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>SIMILARITY</b>                       | Belongs to the MAP1 LC3 family.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Post-translational modifications</b> | Phosphorylated upon DNA damage, probably by ATM or ATR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Background Descriptions</b>          | In the central nervous system GABA functions as the main inhibitory transmitter by increasing a Cl <sup>-</sup> conductance that inhibits neuronal firing (1). GABA has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC (2,3). In addition to GABA receptors, several proteins have been identified as regulators of GABA function, including GAD65, GAD67, GABA transporters and GABARAP (GABAA receptor-associated protein) (4-6). GABARAP associates with GABAA Rg2 to link GABAA receptors to the cytoskeleton (6). The GABARAP protein sequence is similar to light chain-3 of microtubule-associated proteins (MAPs) suggesting that it may be a type of MAP or a component of a MAP complex (6). |

## Additional Information

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| <b>Other Names</b> | ATG8; ATG8C; GATE-16; GATE16; GEF-2; GEF2; 0610012F20Rik; 2900019O08Rik; AABR07071000.1; GBRL2_HUMAN; GABARAPL2; GABA(A) receptor-associated protein-like 2; Ganglioside expression factor 2 (GEF-2); General protein transport factor p16; Golgi-associated ATPase enhancer of 16 kDa (GATE-16); MAP1 light chain 3-related protein; FLC3A; GBRL2_MOUSE; GBRL2_RAT; GABA type A receptor associated protein like 2; GABA(A) receptor-associated protein like 2 |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                                                                                                                 |

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| <b>Name</b>     | GABARAPL2 Recombinant Rabbit mAb                                                                                                                                                                                                  |
| <b>Function</b> | Involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.