



## GABARAP, GABA(A) receptor-associated protein polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-10146
Animal ID	RC40104
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_007278
Amount	100 µg

#### Alternative Name(s):

MM46

Gamma-aminobutyric acid A receptors are ligand-gated chloride channels that mediate inhibitory neurotransmission. The GABA(A) receptor-associated protein (GABARAP) a highly positively charged protein which shares sequence similarity with the light chain-3 of microtubule-associated proteins 1A and 1B. GABARAP clusters neurotransmitter receptors by mediating interaction with the cytoskeleton.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

N/A

#### Application

Tested by peptide-specific ELISA (1:1,000).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C. Avoid repeated freeze-thaw cycles.

#### References:

1. Nemos C, Mansuy V, Vernier-Magnin S, Fraichard A, Jouvenot M, Delage-Mourroux R: Expression of gec1/GABARAPL1 versus GABARAP mRNAs in human: predominance of gec1/GABARAPL1 in the central nervous system. *Brain Res. Mol. Brain Res.* 119(2): 216-219 (2003).
2. Stangler T, Mayr LM, Willbold D: Solution structure of human GABA(A) receptor-associated protein GABARAP: implications for biological function and its regulation. *J. Biol. Chem.* 277(16): 13363-13366 (2002).
3. Tanida I, Tanida-Miyake E, Komatsu M, Ueno T, Kominami E: Human Apg3p/Aut1p homologue is an authentic E2 enzyme for multiple substrates, GATE-16, GABARAP, and MAP-LC3, and facilitates the conjugation of hApg12p to hApg5p. *J. Biol. Chem.* 277(16): 13739-13744 (2002).