Synaptic Systems

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GABABR 1

Cat.No. 322 102; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H_2O, then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 (AP staining) **IP**: not tested yet **ICC**: 1 : 500 **IHC**: 1 : 200 up to 1 : 500 **IHC-P/FFPE**: not tested yet
Immunogen	Recombinant protein corresponding to AA 903 to 960 from mouse GabaBR1 (UniProt Id: Q9WV18)
Reactivity	Reacts with: rat, mouse (Q9WV18). Other species not tested yet.
Specificity	Detects both isoforms GABABR 1a and 1b.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Metabotropic **g**-**a**mino**b**utyric **a**cid type **B r**eceptors (**GABABR**s) are involved in the modulation of synaptic transmission and activity of cerebellar and thalamic neurons.
In contrast to the ionotrophic GABA-A receptors they are linked to G-proteins underlying the slow inhibitory postsynaptic potentials.
GABABR 1 and **GABABR 2** have been shown to form heterodimers.

Selected General References

Distinct localization of GABA(B) receptors relative to synaptic sites in the rat cerebellum and ventrobasal thalamus.
Kulik A, Nakadate K, Nyíri G, Notomi T, Malitschek B, Bettler B, Shigemoto R
The European journal of neuroscience (2002) 15(2): 291-307.

Heteromeric assembly of GABA(B)R1 and GABA(B)R2 receptor subunits inhibits Ca(2+) current in sympathetic neurons.
Filippov AK, Couve A, Pangalos MN, Walsh FS, Brown DA, Moss SJ
The Journal of neuroscience : the official journal of the Society for Neuroscience (2000) 20(8): 2867-74.