

## GABABR 2

Cat.No. 322 203; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> yes <b>ICC:</b> 1 : 500 <b>IHC:</b> 1 : 200 up to 1 : 500 <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Synthetic peptide corresponding to AA 917 to 940 from rat GABABR2 (UniProt Id: O88871)
Reactivity	Reacts with: rat (O88871), mouse (Q80T41). Other species not tested yet.
Specificity	Specific for GABABR 2.

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

Metabotropic **g-aminobutyric acid** type **B** receptors (**GABABRs**) are involved in the modulation of synaptic transmission and activity of cerebellar and thalamic neurons. In contrast to the ionotropic 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.