

GABA-A receptor $\alpha 2$

Cat.No. 224 102; Polyclonal rabbit antibody, 200 μ l antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 μ l antiserum, lyophilized. For reconstitution add 200 μ l H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) (see remarks) IP: yes ICC: yes (see remarks) IHC: yes IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 29 to 37 from rat GABA-A receptor $\alpha 2$ (UniProt Id: P23576)
Reactivity	Reacts with: human (P47869), rat (P23576), mouse (P26048). Other species not tested yet.
Specificity	Specific for GABA-A receptor $\alpha 2$.
matching control	224-1P
Remarks	WB: The crude antiserum is highly recommended. This protein aggregates after boiling, making it necessary to run SDS-PAGE with non-boiled samples. ICC: ICC/IHC: The affinity purified antibody (cat.no. 224 103) is highly recommended for these applications.

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

Gamma-aminobutyric acid type A (GABA-A) receptors mediate the majority of inhibitory neurotransmission in the brain. These receptor proteins are ligand gated chloride ion channels and consist of a pentameric combination of different subunits (**alpha**, beta, gamma, delta, epsilon and rho). The resulting heterogenous population of GABA-A receptor subtypes are expressed throughout the brain with specific cellular and subcellular expression patterns.

Selected References SYSY Antibodies

Reciprocal control of excitatory synapse numbers by Wnt and Wnt inhibitor PRR7 secreted on exosomes.
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