

GABA-A receptor $\alpha 1$

Cat.No. 224 204; Polyclonal Guinea pig antibody, 100 μ l antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 μ l antiserum, lyophilized. For reconstitution add 100 μ l H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 2000 (AP staining) (see remarks) IP: not tested yet ICC: 1 : 200 up to 1 : 1000 (see remarks) IHC: 1 : 500 (see remarks) IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 28 to 43 from rat GABA-A receptor $\alpha 1$ (UniProt Id: P62813)
Reactivity	Reacts with: rat (P62813), mouse (P62812). Other species not tested yet.
Specificity	Specific for GABA-A receptor $\alpha 1$.
matching control	224-2P
Remarks	WB: This protein aggregates after boiling, making it necessary to run SDS-PAGE with non-boiled samples. ICC: This antibody is PFA fixation sensitive, use only mild fixation (2% PFA). Best results are obtained by application on living cells. After washing cells with bound antibodies, they can be fixed and visualized with secondary reagents. IHC: This antibody requires antigen retrieval with pepsin according to: Lorincz A & Nusser Z (2008). recommended protocol

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

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Selected General References

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