

GABA-A receptor $\alpha 3$

Cat.No. 224-3P; control peptide, 100 μ g peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 μ g peptide, lyophilized. For reconstitution add 100 μ l H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 29 to 43 from rat GABA-A receptor $\alpha 3$ (UniProt Id: P20236)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	224 302, 224 303, 224 304
Remarks	This control peptide consists of the synthetic peptide (aa 29 - 43 of rat GABA-A receptor $\alpha 3$ precursor protein) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

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 General References

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