

GABA-A receptor $\gamma 2$

Cat.No. 224 011; Monoclonal mouse antibody, 100 μ g purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 μ g purified IgG, lyophilized. Azide was added before lyophilization. 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.
Applications	WB: not tested yet IP: yes ICC: 1 : 500 (see remarks) IHC: 1 : 500 (see remarks) IHC-P/FFPE: not tested yet EM: yes
Clone	331A12
Subtype	IgG2a (k light chain)
Immunogen	Synthetic peptide corresponding to AA 39 to 67 from mouse GABA-A receptor $\gamma 2$ (UniProt Id: P22723)
Epitop	Epitop: AA 39 to 67 from mouse GABA-A receptor $\gamma 2$ (UniProt Id: P22723)
Reactivity	Reacts with: human (P18507), rat (P18508), mouse (P22723). Other species not tested yet.
Specificity	Specific for GABA-A receptor $\gamma 2$. Does not discriminate between the L and S form.
matching control	224-0P
Remarks	ICC: This antibody is also suitable for the surface staining of living cells. After washing cells with bound antibodies, they can be fixed and visualized with secondary reagents. IHC: This antibody requires mild fixation. recommended protocol

Selected References SYSY Antibodies

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Selected General References

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Five subtypes of type A gamma-aminobutyric acid receptors identified in neurons by double and triple immunofluorescence staining with subunit-specific antibodies.
 Fritschy JM, Benke D, Mertens S, Oertel WH, Bachi T, Möhler H
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**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.