Synaptic Systems

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γ-Enolase

Cat.No. 230 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H_2O, then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 up to 1 : 10000 (AP staining) **IP**: yes **ICC**: not tested yet **IHC**: not tested yet **IHC-P/FFPE**: not recommended
Immunogen	Synthetic peptide corresponding to AA 418 to 434 from rat γ-Enolase (UniProt Id: P07323)
Reactivity	Reacts with: rat (P07323), mouse (P17183). Other species not tested yet.
Specificity	Specific for γ-enolase.
matching control	230-0P

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

The glycolytic enzyme **enolase** (2-phospho-d-glycerate hydrolyase; EC 4.2.1.11) occurs as heterodimers composed of three independently encoded isoforms (α, β, γ). Most tissues express the ubiquitous αα dimer. In the nervous system it is replaced by αγ,γγ, and in the striated muscle by αβ, ββ.

Selected General References

Hippocampal levels of gamma-enolase, C-1-tetrahydrofolate synthase and serotransferrin fluctuate over the estrous cycle in the rat.
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Differential modulation of alpha, beta and gamma enolase isoforms in regenerating mouse skeletal muscle.
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Biochemical characterization of the mouse muscle-specific enolase: developmental changes in electrophoretic variants and selective binding to other proteins.
Merkulova T, Lucas M, Jabet C, Lamandé N, Rouzeau JD, Gros F, Lazar M, Keller A
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