Synaptic Systems

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GFP

Cat.No. 132 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	**WB**: not recommended **IP**: yes **ICC**: 1 : 100 **IHC**: 1 : 100 **IHC-P/FFPE**: not tested yet
Clone	270F3
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 238 from GFP (UniProt Id: P42212)
Epitop	Epitop: AA 183 to 188 from GFP (UniProt Id: P42212)
Specificity	Recognizes GFP, mEGFP, superfolder GFP, most common CFP and YFP variants.Does not cross-react to mCherry, mRFP, dsRed, mTagBFP or their most common derivatives.
Remarks	Cat. no. 132 111 or 132 002 is recommended for WB.

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

Green **f**luorescent **p**rotein **GFP** and its derivates have become universal tools in cell biology. These antibodies allow immunoprecipitation and visualization of GFP fusion proteins on immunoblots and by immunocytochemistry.

Selected References SYSY Antibodies

STAC3 stably interacts through its C1 domain with CaV1.1 in skeletal muscle triads.
Campiglio M, Flucher BE
Scientific reports (2017) 7: 41003. **ICC**

Development of lentiviral vectors for efficient glutamatergic-selective gene expression in cultured hippocampal neurons.
Egashira Y, Mori Y, Yanagawa Y, Takamori S
Scientific reports (2018) 8(1): 15156. **ICC; tested species: mouse**

Selected General References

Imaging into the future: visualizing gene expression and protein interactions with fluorescent proteins.
van Roessel P, Brand AH
Nature cell biology (2002) 4(1): E15-20.

Illuminating the secretory pathway: when do we need vesicles?
Stephens DJ, Pepperkok R
Journal of cell science (2001) 114(Pt 6): 1053-9.

Watching proteins in the wild: fluorescence methods to study protein dynamics in living cells.
Chamberlain C, Hahn KM
Traffic (Copenhagen, Denmark) (2000) 1(10): 755-62.