Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

GFP

Cat.No. 132 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H_2O, then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 500 up to 1 : 1000 (AP staining) **IP**: not tested yet **ICC**: 1 : 500 up to 1 : 1000 **IHC**: 1 : 500 **IHC-P/FFPE**: not tested yet **EM**: yes
Immunogen	Recombinant protein corresponding to AA 1 to 238 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.

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

Neuronal hyperactivity causes Na+/H+ exchanger-induced extracellular acidification at active synapses.
Chiacchiaretta M, Latifi S, Bramini M, Fadda M, Fassio A, Benfenati F, Cesca F
Journal of cell science (2017) 130(8): 1435-1449. **ICC; tested species: mouse**

An immunoaffinity-based method for isolating ultrapure adult astrocytes based on ATP1B2 targeting by the ACSA-2 antibody.
Batiuk MY, de Vin F, Duqué SI, Li C, Saito T, Saido T, Fiers M, Belgard TG, Holt MG
The Journal of biological chemistry (2017) 292(21): 8874-8891. **IHC; tested species: mouse**

Postsynaptic gephyrin clustering controls the development of adult-born granule cells in the olfactory bulb.
Deprez F, Pallotto M, Vogt F, Grabiec M, Virtanen MA, Tyagarajan SK, Panzanelli P, Fritschy JM
The Journal of comparative neurology (2015) 523(13): 1998-2016. **EM**

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.