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**Cat.No. 132 005; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)**

## Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 500 up to 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 500 up to 1 : 1000 <b>IHC:</b> 1 : 1500 <b>IHC-P/FFPE:</b> not tested yet
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 fluorescent protein **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

TBC1D24 regulates axonal outgrowth and membrane trafficking at the growth cone in rodent and human neurons.  
 Aprile D, Fruscione F, Baldassari S, Fadda M, Ferrante D, Falace A, Buhler E, Sartorelli J, Represa A, Baldelli P, Benfenati F, et al. Cell death and differentiation (2019) : . **ICC, IHC; tested species: rat**

Epitope specificity of anti-synapsin autoantibodies: Differential targeting of synapsin I domains.  
 Mertens R, Melchert S, Gitler D, Schou MB, Saether SG, Vaaler A, Piegras J, Kochova E, Benfenati F, Ahnert-Hilger G, Ruprecht K, et al. PloS one (2018) 13(12): e0208636. **ICC; tested species: human**

Neuronal activity regulates neurotransmitter switching in the adult brain following light-induced stress.  
 Meng D, Li HQ, Deisseroth K, Leutgeb S, Spitzer NC  
 Proceedings of the National Academy of Sciences of the United States of America (2018) : . **IHC; tested species: rat**

Phosphorylated Groucho delays differentiation in the follicle stem cell lineage by providing a molecular memory of EGFR signaling in the niche.  
 Johnston MJ, Bar-Cohen S, Paroush Z, Nystul TG  
 Development (Cambridge, England) (2016) 143(24): 4631-4642. **IHC**

## 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.