

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

Cat.No. 132 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

## Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit 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 : 1000 up to 1 : 20000 (AP staining) <b>IP:</b> yes <b>ICC:</b> 1 : 500 <b>IHC:</b> 1 : 500 <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

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- The catalytic function of the gephyrin-binding protein IQSEC3 regulates neurotransmitter-specific matching of pre- and postsynaptic structures in primary hippocampal cultures. Früh S, Tyagarajan SK, Campbell B, Bossard G, Fritschy JM. *Journal of neurochemistry* (2018) : . **WB; tested species: rat**
- Drosophila gene tao-1 encodes proteins with and without a Ste20 kinase domain that affect cytoskeletal architecture and cell migration differently. Pflanz R, Voigt A, Yakulov T, Jäckle H. *Open biology* (2015) 5(1): 140161. **IHC**
- Ca<sup>2+</sup>/calmodulin binding to PSD-95 mediates homeostatic synaptic scaling down. Chowdhury D, Turner M, Patriarchi T, Hergarden AC, Anderson D, Zhang Y, Sun J, Chen CY, Ames JB, Hell JW. *The EMBO journal* (2018) 37(1): 122-138. **IP**
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- Titration of Syntaxin1 in mammalian synapses reveals multiple roles in vesicle docking, priming, and release probability. Arancillo M, Min SW, Gerber S, Münster-Wandowski A, Wu YJ, Herman M, Trimbuch T, Rah JC, Ahnert-Hilger G, Riedel D, Südhof TC, et al. *The Journal of neuroscience : the official journal of the Society for Neuroscience* (2013) 33(42): 16698-714. **ICC**
- Oligodendrocyte dynamics in the healthy adult CNS: evidence for myelin remodeling. Young KM, Psachoulia K, Tripathi RB, Dunn SJ, Cossell L, Attwell D, Tohyama K, Richardson WD. *Neuron* (2013) 77(5): 873-85. **IHC; tested species: mouse**
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- The short-time structural plasticity of dendritic spines is altered in a model of Rett syndrome. Landi S, Putignano E, Boggio EM, Giustetto M, Pizzorusso T, Ratto GM. *Scientific reports* (2011) 1: 45. **IHC; tested species: mouse**
- Protein kinase C activation promotes the internalization of the human cationic amino acid transporter hCAT-1. A new regulatory mechanism for hCAT-1 activity. Rotmann A, Strand D, Martiné U, Closs EI. *The Journal of biological chemistry* (2004) 279(52): 54185-92. **IP**

## Selected General References

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