

Cat.No. 132 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 20000 (AP staining) IP: yes ICC: 1 : 500 IHC: 1 : 500 IHC-P/FFPE: yes 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 fluorescent protein **GFP** and its derivatives 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

- PBX transcription factors drive pulmonary vascular adaptation to birth.
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- Neuronal palmitoyl acyl transferases exhibit distinct substrate specificity.
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FASEB journal : official publication of the Federation of American Societies for Experimental Biology (2009) 23(8): 2605-15. **WB, ICC**
- Neuron to glia signaling triggers myelin membrane exocytosis from endosomal storage sites.
Trajkovic K, Dhaunchak AS, Goncalves JT, Wenzel D, Schneider A, Bunt G, Nave KA, Simons M
The Journal of cell biology (2006) 172(6): 937-48. **EM**
- 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**
- Widespread transduction of astrocytes and neurons in the mouse central nervous system after systemic delivery of a self-complementary AAV-PHP.B vector.
Rincon MY, de Vin F, Duqué SI, Fripon S, Castaldo SA, Bouhuijzen-Wenger J, Holt MG
Gene therapy (2018) : . **IHC; tested species: mouse**
- Morphological study of a connexin 43-GFP reporter mouse highlights glial heterogeneity, amacrine cells, and olfactory ensheathing cells.
Theofilas P, Steinhäuser C, Theis M, Derouiche A
Journal of neuroscience research (2017) 95(11): 2182-2194. **IHC; tested species: mouse**
- CLASP2 Links Reelin to the Cytoskeleton during Neocortical Development.
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- 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**
- The intermediate filament protein vimentin is essential for axonotrophic effects of Clostridium botulinum C3 exoenzyme.
Adolf A, Leondaritis G, Rohrbeck A, Eickholt BJ, Just I, Ahnert-Hilger G, Hölte M
Journal of neurochemistry (2016) 139(2): 234-244. **ICC**
- Proteomic Characterization of Inhibitory Synapses Using a Novel pHluorin-tagged γ-Aminobutyric Acid Receptor, Type A (GABAA), α2 Subunit Knock-in Mouse.
Nakamura Y, Morrow DH, Modgil A, Huyghe D, Deeb TZ, Lumb MJ, Davies PA, Moss SJ
The Journal of biological chemistry (2016) 291(23): 12394-407. **WB**
- 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**
- Mover is a homomeric phospho-protein present on synaptic vesicles.
Ahmed S, Wittenmayer N, Kremer T, Hoeber J, Kiran Akula A, Urlaub H, Islinger M, Kirsch J, Dean C, Dresbach T
PloS one (2013) 8(5): e63474. **WB**
- Granule cell ascending axon excitatory synapses onto Golgi cells implement a potent feedback circuit in the cerebellar granular layer.
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The Journal of neuroscience : the official journal of the Society for Neuroscience (2013) 33(30): 12430-46. **EM; tested species: rat**
- CXC chemokine receptor 7 (CXCR7) regulates CXCR4 protein expression and capillary tuft development in mouse kidney.
Haege S, Einer C, Thiele S, Mueller W, Nietzsche S, Lupp A, Mackay F, Schulz S, Stumm R
PloS one (2012) 7(8): e42814. **IHC**
- Control of the postsynaptic membrane viscosity.
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The Journal of neuroscience : the official journal of the Society for Neuroscience (2009) 29(9): 2926-37. **ICC; tested species: rat**
- SPE-39 family proteins interact with the HOPS complex and function in lysosomal delivery.
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Molecular biology of the cell (2009) 20(4): 1223-40. **WB**
- Protein phosphatase 1 regulates the histone code for long-term memory.
Koshibu K, Gräff J, Beullens M, Heitz FD, Berchtold D, Russig H, Farinelli M, Bollen M, Mansuy IM
The Journal of neuroscience : the official journal of the Society for Neuroscience (2009) 29(41): 13079-89. **IHC**