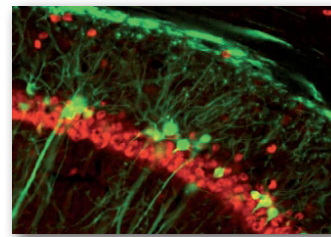




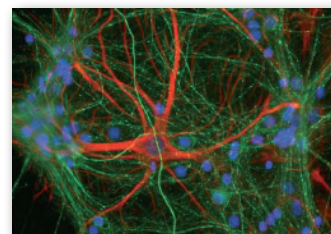
## Chicken Antibodies



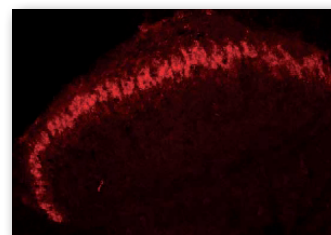
## to Neuronal & Glial Marker



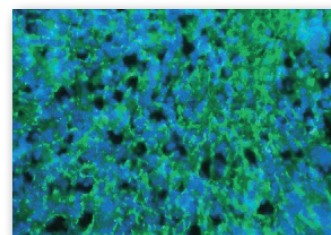
**Fig. 1:** CA1 region of a transgenic mouse expressing the eGFP gene product under control of the Thy-1 promoter. Green is eGFP autofluorescence. Red is Cy-3 secondary antibody labeling Cat.-No. AP31812PU-N chicken anti-Neu-N (Fox-3) positive neuronal nuclei (Picture courtesy of Dr. Felix Eckenstein, University of Vermont)



**Fig. 2:** Dissociated cell culture prepared from an adult rat brain. NFM Cat.-No. AP31815PU-N (green staining) stains neurites in a punctate fashion, corresponding to neuritic varicosities. As a control, rabbit GFAP antibodies were used to costain astrocytes, producing a red fluorescence. Blue nuclei demonstrate DAPI DNA staining (Picture courtesy of Dr. Gerry Shaw, University of Florida)








**Fig. 3:** Tissue section through an adult mouse brain showing PAP (stained with Cat.-No. AP31817PU-N / red fluorescence) in the superficial laminae of the adult mouse spinal cord dorsal horn gray matter



**Fig. 4:** In this tissue section through an e13 mouse brain, PLP (stained with Cat.-No. AP31819PU-N / green staining) can be seen in immature oligodendrocytes of white matter tracts. DAPI (blue staining) allows visualization of nuclei

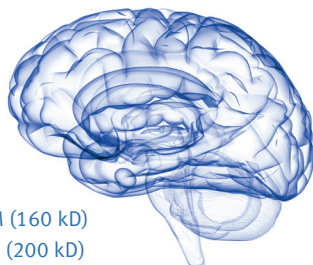
### Advantages of Chicken IgY

There are several distinct advantages for choosing chicken over rabbit polyclonal antibodies:

-  Higher titres against highly conserved mammalian gene products
-  Double immunostaining is easier to perform
-  Animal-friendly – purified from eggs, not serum
-  Large quantities of antibody – faster and cheaper
-  Nearly unlimited quantities (because the antibodies come from eggs)

## Selected Acris Antibodies Panel of Chicken Antibodies

Name	Category	Reactivity	Application	Catalog-No.
<b>Neuronal and Glial Marker</b>				
Amyloid beta	Neuronal Marker	Hu, Ms	IF, P	<a href="#">AP31802PU-N</a>
CD11b / ITGAM	Neuronal Marker	Hu, Ms	IF, P	<a href="#">AP31807PU-N</a>
CHAT	Neuronal Marker	Hu, Ms	IF, P	<a href="#">AP31801PU-N</a>
GAD1 / GAD67	Neuronal Marker	Hu, Ms	IF, P, WB	<a href="#">AP31805PU-N</a>
MAP-2	Neuronal Marker	Hu, Ms	IF, P, WB	<a href="#">AP31808PU-N</a>
MAPT / TAU	Neuronal Marker	Hu, Ms	IF, P, WB	<a href="#">AP31822PU-N</a>
Netrin-1	Neuronal Marker	Hu, Ms	IF, P	<a href="#">AP31811PU-N</a>
Neu-N (Fox 3)	Neuronal Marker	Hu, Ms	IF, P	<a href="#">AP31812PU-N</a>
Neurofilament M (160 kD)	Neuronal Marker	Rt	IF, P, WB	<a href="#">AP31815PU-N</a>
Neurofilament H (200 kD)	Neuronal Marker	Hu, Ms, Rt	IF, P, WB	<a href="#">AP31813PU-N</a>
Neurofilament L (68kDa)	Neuronal Marker	Hu, Ms	IF, P, WB	<a href="#">AP31814PU-N</a>
Neuron specific enolase	Neuronal Marker	Hu, Ms, Rt	IF, P, WB	<a href="#">AP31816PU-N</a>
TUBB3 / TUBB4 (Beta -Tubulin III/TUJ)	Neuronal Marker	Hu, Rt	IF, P, WB	<a href="#">AP31823PU-N</a>
Tyrosine 3-monooxygenase (TH)	Neuronal Marker of Adrenergic Cells	Hu, Ms	IF, P, WB	<a href="#">AP31824PU-N</a>
Synaptotagmin-1	Synaptic Marker	Hu, Ms	IF, P, WB	<a href="#">AP31821PU-N</a>
Nestin	Neural Stem Cell Marker	Ms, Rt	IF, P, WB	<a href="#">AP31810PU-N</a>
Peripherin	Neural Stem Cell Marker	Rt	IF, P, WB	<a href="#">AP31818PU-N</a>
Vimentin	Neural Stem Cell Marker	Hu, Ms	IF, P, WB	<a href="#">AP31825PU-N</a>
CNPase	Oligodendroglial Cell Marker	Hu, Ms	IF, P, WB	<a href="#">AP31803PU-N</a>
Coronin-1A	Microglial Cell Marker	Hu, Ms	IF, P	<a href="#">AP31804PU-N</a>
GFAP	Astrocyte Marker	Hu, Ms, Rt	IF, P, WB	<a href="#">AP31806PU-N</a>
MPZ (P-Zero Myelin Protein)	Peripheral Myelin Marker	Hu, Ms	IF, P, WB	<a href="#">AP31820PU-N</a>
Myelin Basic Protein (MBP)	Myelin Marker	Hu, Ms	IF, P, WB	<a href="#">AP31809PU-N</a>
PLP1	Myelin Marker	Hu, Ms	IF, P	<a href="#">AP31819PU-N</a>
ACPP / Prostatic acid phosphatase	Pain System Marker	Ms	IF, P	<a href="#">AP31817PU-N</a>



Name	Property	Application	Catalog-No.
<b>Epitope Tag Antibodies</b>			
GFP		IF, P, WB	<a href="#">AP31791PU-N</a>
6xHistidine Epitope Tag	HHHHHH	WB	<a href="#">AP31792PU-N</a>
6xHistidine Epitope Tag	HHHHHH	IP	<a href="#">AP31793PU-N</a>
Beta-galactosidase tag		C, IF, WB	<a href="#">AP31768PU-N</a>
c-Myc Epitope Tag	EQKLISEEDL	C, E, IF, IP, WB <sup>c</sup>	<a href="#">AP31790PU-N<sup>c</sup></a>
DYKDDDDK Epitope Tag	DYKDDDDK	C, E, IF, IP, WB	<a href="#">AP31769PU-N</a>
HA Epitope Tag	YPYDVPDYA	C, E, IF, WB <sup>c</sup>	<a href="#">AP31789PU-N<sup>c</sup></a>
<b>Chicken anti-Mammalian Secondary Antibodies</b>			
Goat IgG	H+L chain	C, E, IF, WB <sup>c</sup>	<a href="#">AP31796PU-N<sup>c</sup></a>
Human IgG	H+L chain	C, E, ID, IF, WB <sup>c</sup>	<a href="#">AP31797PU-N<sup>c</sup></a>
Mouse IgG	H+L chain	C, E, ID, IF, WB <sup>c</sup>	<a href="#">AP31798PU-N<sup>c</sup></a>
Rabbit IgG	H+L chain	C, E, ID, IF, WB <sup>c</sup>	<a href="#">AP31799PU-N<sup>c</sup></a>

Chk: Chicken, Gt: Goat, Hu: Human, Ms: Mouse, Rb: Rabbit, Rt: Rat

C: Immunohistochemistry on frozen sections, E: ELISA, ID: Immunodiffusion, IF: Immunofluorescence, IP: Immunoprecipitation, P: Immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections, WB: Western blot

<sup>c</sup> Conjugates available (with maybe different applications each)

Please refer also to our FocusOns about Neuroscience:

[FocusOn 130: Antibodies for Alzheimer's Disease](#)

[FocusOn 131: Antibodies for Parkinson's Disease](#)

[FocusOn 132: Antibodies for Huntington's Disease](#)

[FocusOn 133: Antibodies for Amyotrophic Lateral Sclerosis](#)