Anti-YFP

Catalogue No.:	HBT005B-100
Description:	Anti-Venus Yellow Fluorescent protein (YFP), polyclonal IgY purified from quail egg-yolk
Batch No.:	HBT005.1501
Unit size:	100 µL
Concentration:	2 mg/mL
Host:	Quail (*Coturnix japonica*)
Isotype:	IgY (Quail IgG)
Purity:	IgY fraction; sample purity > 95% (SDS-PAGE)
Immunogen:	Purified recombinant Venus Yellow Fluorescent protein (YFP); variant of *Aequorea victoria* Green Fluorescent protein (GFP).
Specificity:	This antibody recognizes a single band with the predicted molecular weight in Western blot analysis. In immunofluorescence of free-floating rat brain slices, detects expression of YFP fluorescent tag in AAV-transfected neurons. Cross reacts with Green Fluorescent protein (GFP).
Applications:	WB: 1:500 – 1:15,000 | IF: 1:200 - 1:1000. Antibody not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.
Form:	Liquid. PBS, pH7.4 with 0.05% sodium azide
Storage:	Store at -20°C. Aliquot to avoid repeated freeze-thaw cycles.
Expiration date:	12 months

FOR RESEARCH USE ONLY

HBT - Saúde e Biotecnologia, Lda | Rua José Pinto Loureiro nº21A | 3000-235 Coimbra, Portugal
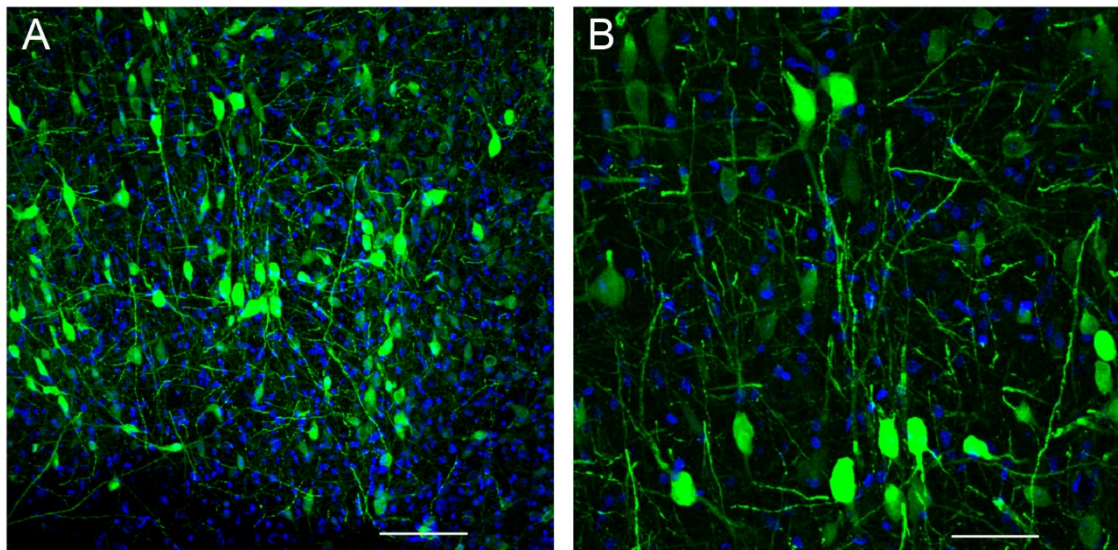NIPC / #VAT: PT501719430 | Email: henbiotech@gmail.com | Web: www.henbiotech.com

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Figure 1. Immunofluorescence of rat brain slices. AAV viruses with YFP fluorescent tag were injected in the nucleus accumbens (NAc) region of Wistar han rats. **A)** Coronal section for fluorescence image of the NAc brain region showing YFP staining (green); scale bar, 100 µm. **B)** Coronal section for fluorescence image of the NAc brain region showing expression of YFP (green) of isolated neurons; scale bar, 50 µm. **Samples:** 50 µm thick rat brain slices perfused with 4% paraformaldehyde. **Protocol:** Immunofluorescence in free-floating slices. **Primary antibody:** quail anti-YFP (Cat# HBT005B; 1:1000), incubated overnight at 4ºC. **Secondary antibody:** Alexa-fluor 488 anti-chicken (1:500), incubated for 2h at room temperature.
Courtesy of Ana J Rodrigues, ICVS, University of Minho.

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