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Product Description

Goat anti Parvalbumin

PVG 213

Straight antiserum

Product: Goat anti-Parvalbumin

Code No.: PVG213

Form: Lyophilized antiserum (no preservatives).

Quantities available: 200 µl.

Reconstitution: with corresponding amount of bi-distilled water

Description

This antiserum was produced against rat muscle parvalbumin. It cross-react with some other species (see immunoblot in Fig 1), including human parvalbumin. It can be used for immunoblotting and immunohistochemistry.



Fig. 1 Immunoblot of brain homogenate of various species with the goat anti-parvalbumin antiserum

1: Mouse; 2: Rat; 3. Guinea pig; 4. Rabbit; 5. Macaca fascicularis; 6. Zebrafish; 7. chicken. In the first five species, only a band at 12 KDa is detected. The second band in lanes 1 and 2 is a dimer of PV at approximately 24 KDa.

Immunohistochemistry on Parvalbumin knock-out mice

Antiserum PVG 213 does not stain the brain of parvalbumin knock out mice (Figs. 2a and 2b).

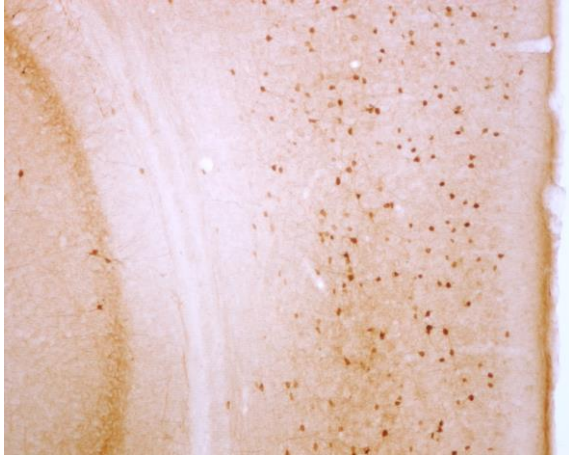


Fig 2a: immunohistochemical staining with PVG 213 in the cerebral cortex and hippocampus of a control mouse. Notice the strong staining of interneurons in both structures. X100



Fig 2b: Absence of specific immunohistochemical staining with PVG213 in cortex and hippocampus of a Parvalbumin knock-out mouse (1). X 100

Storage

Reconstitute and make small portions upon arrival (e.g. 2-5 μ l). For long storage, keep at - 80°C (or at least - 20°C). For continuous use, keep at 4°C (with 0.01% Na-azide). Avoid repeated freezing and thawing.

Working dilutions

Immunohistochemistry : 1:2'000 - 1:5'000 with the avidin-biotin method.

Immunoblots : 1:500 - 1:1'000

We recommend that the optimal dilutions be determined by titration experiments.

References

- 1.) Schwaller B., et al. (1999) Am. J. Physiol. 276. C395-403