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Product Description

Guinea pig anti Parvalbumin

GP 72

Straight antiserum

Product: Guinea pig antiserum against parvalbumin

Code No: GP72

Form: lyophilized antiserum (no preservatives).

Quantities available: 100 µl

Reconstitution: with corresponding amount of bi-distilled water

Description:

This antibody was raised against recombinant mouse parvalbumin. GP72 reacts specifically with parvalbumin on immunoblots of extracts of tissue originating from human, monkey, guinea pig, rabbit, rat, mouse and chicken (Fig. 1). The antibody specifically localizes parvalbumin using free-floating or mounted sections of brain (Fig. 2), kidney and muscles of probably all vertebrates. The antiserum does not stain the brain of parvalbumin-KO mice.

Spectacular staining found in immunohistochemistry on floating sections of 4% PFA-fixed specimens.

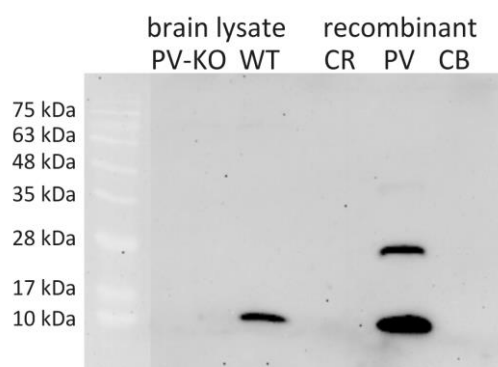


Fig. 1: Immunoblot of brain extracts of C57/Bl6 and of parvalbumin knock-out mice. The GP72 antiserum lack reaction with calretinin and calbindin D-28k*

Working dilutions:

Immunohistochemistry: 1:3'000 - 1:10'000, when performed with the avidin-biotin method.

Western blots: 1:1'000 to detect parvalbumin in brain extracts. We recommend that the optimal dilutions be determined by titration experiments.

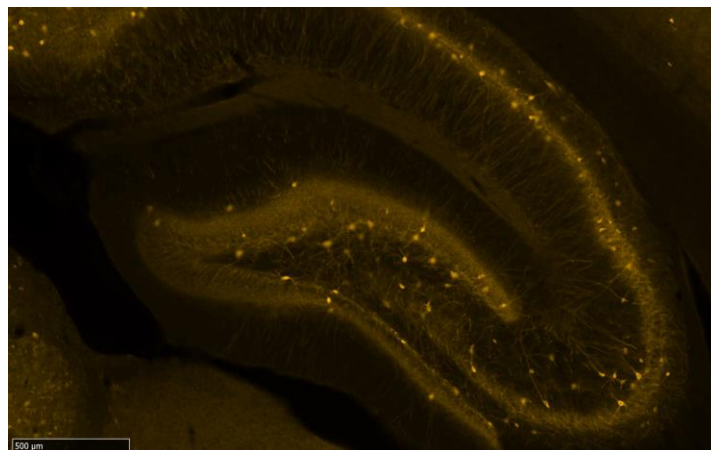


Fig. 2: Immunostaining with the GP72 antiserum of the mouse hippocampus in a C57/Bl6 mouse.

Storage:

For long storage keep small aliquots of the reconstituted antiserum (e.g. 1 μl) at -80°C (or at least at -20°C). For continuous use, keep at 4°C (with 0.01% Na-azide). Avoid repeated freeze-thaw cycles.

References:

1. *Filice F., Celio, M.R., Szabolcsi V. (2017) JCN, in press