

Anti-VGluT3*(vesicular glutamate transporte-3)*

Code Number : VGLuT3-Go-Af870 (goat, RRID : AB_2571854)

: VGLuT3-GP-Af300 (guinea pig, RRID : AB_2571855)

: VGLuT3-GP-Af920 (guinea pig, RRID : AB_2571856)

Size : 20 µg and 50 µg / See label on vial

(affinity-purified with antigen polypeptide)

Formulation : Liquid ; 200 µg/ml in PBS with 0.05% NaN₃.

(affinity-purified with antigen polypeptide)

Storage : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

Species : guinea pig / goat, polyclonal

Antigen : mouse VGluT3, 522-588 aa

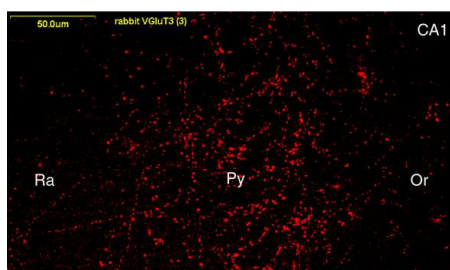
(MSYGATTQNCEVQKTEWRQQRESAFDGEEPSYQAEGDFSETS, (AF510321)

VGluT3-GP-Af300 is against the corresponding region of rat VGluT3 (MSYGATTQNCEVQKT
DRRQQRESAFEGEEPSYQNEEDFSETS, NM153725).

Users should be aware of frequent amino acid substitution between mouse and rat sequences.

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 60-62 kDa. This stains distinct neuronal populations, which have not been classified as glutamatergic neurons.



Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for

immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

Research Use : For research use only, not for use in diagnostic procedures.

Remarks : Guinea pig and goat antibodies are similar in the titer and specificity.

Reference : Somogyi, J., Baude, A., Omori, Y., Shimizu, H., Mestikawy, S.E., Fukaya, M., Ryuichi, S., Watanabe, M., Somogyi, P. (2004) GABAergic basket cells expressing cholecystokinin contain vesicular glutamate transporter type 3 (VGLUT3) in their synaptic terminals in hippocampus and isocortex of the rat. *Eur. J. Neurosci.* 19:552-569.