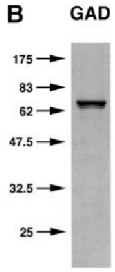
Anti-GAD67/65

(glutamic acid decarboxylase-67/65)

Code Number : GAD-Rb-Af260 (rabbit)
: GAD-Go-Af240 (goat)

Formulation : Liquid ; 200 μg/ml in PBS with 0.05% NaN_3.
(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-hazardrous. No MSDS required.



Species : goat / rabbit, polyclonal

Antigen : mouse GAD67, 268-593 aa (A28072)

Specificity : mouse (others not tested)
This was raised against GAD67.
Due to its sequence similarity, it also reacts weakly to GAD65. Therefore, immunoblot detects doublet bands at 65 and 67 kDa. This selectively stains GABAergic interneurons, particularly in their terminals.

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 : Rabbit and goat antibodies are similar in titer and specificity.

Reference : 1) Yamada, K., Fukaya, M., Shimizu, H., Sakimura, K., Watanabe, M. (2001) NMDA receptor subunits GluRε1, GluRε3, and GluRζ1 are enriched at the mossy fiber-granule cell synapse in the adult mouse cerebellum. **Eur. J. Neurosci**.13:2025-2036.

2) Nakamura, M., Sato, K., Fukaya, M., Araishi, K., Aiba, A., Kano, M., Watanabe, M. (2004) Signaling complex formation of phospholipase Cβ4 with mGluR1α and IP3R1 at the perisynapse and endoplasmic reticulum in the mouse brain. **Eur. J. Neurosci** 20:2929-2944.

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3) Miura, E., Fukaya, M., Sato, T., Sugihara, K., Asano, M., Yoshioka, K., Watanabe, M. (2006) Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain. **J. Neurochem**. 97:1431-1446.

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