

## *Anti-GAD67/65*

*(glutamic acid decarboxylase-67/65)*

### Product Information:

---

1) Catalog #:	MSFR101580
Item Name:	GAD67/65 pAb (Rb) 20ug
Size :	20µg (affinity-purified with antigen polypeptide)
Species :	Rabbit
Product Code :	GAD-Rb-Af260
RRID :	AB_2571698
2) Catalog #:	MSFR101590
Item Name:	GAD67/65 pAb (Rb) 50ug
Size :	50µg (affinity-purified with antigen polypeptide)
Species :	Rabbit
Product Code :	GAD-Rb-Af260
RRID :	AB_2571698
3) Catalog #:	MSFR101600
Item Name:	GAD67/65 pAb (Go) 20ug
Size :	20µg (affinity-purified with antigen polypeptide)
Species :	Goat
Product Code :	GAD-Go-Af240
RRID :	AB_2571699
4) Catalog #:	MSFR101610
Item Name:	GAD67/65 pAb (Go) 50ug
Size :	50µg (affinity-purified with antigen polypeptide)
Species :	Goat
Product Code :	GAD-Go-Af240
RRID :	AB_2571699

---

**Formulation** : Liquid ; 200 µg/ml in PBS with 0.05% NaN<sub>3</sub>.

**Storage** : Store at cool temp. (2-10°C)

The antibody can be stored at 2-10°C. The antibody can be also aliquoted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

**Species** : goat / rabbit, polyclonal

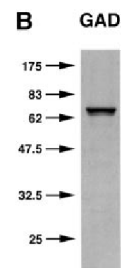
**Antigen** : mouse GAD67, 268-593 aa (A28072)

**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



ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

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 GluR $\epsilon$ 1, GluR $\epsilon$ 3, and GluR $\zeta$ 1 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 C $\beta$ 4 with mGluR1 $\alpha$  and IP3R1 at the perisynapse and endoplasmic reticulum in the mouse brain. **Eur. J. Neurosci** 20:2929-2944.  
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.

ご注意：本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

Distributor : NITTOBO MEDICAL CO., LTD  
TEL : +81-(0)3-4582-5451  
email : nmd-tokuhan@nittobogrp.com

Manufacture : FRONTIER INSTITUTE CO., LTD