

## *Anti-DAT*

*(plasmalemmal dopamine transporter)*

### Product Information:

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|----|-----------------------|---|
| 1) | <b>Catalog #:</b>     | MSFR101190  |
|    | <b>Item Name:</b>     | DAT pAb (Rb) 20ug                                 |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Rabbit  |
|    | <b>Product Code :</b> | DAT-Rb-Af1800                                     |
|    | <b>RRID :</b>         | AB_2571686  |
| 2) | <b>Catalog #:</b>     | MSFR101200  |
|    | <b>Item Name:</b>     | DAT pAb (Rb) 50ug                                 |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Rabbit  |
|    | <b>Product Code :</b> | DAT-Rb-Af1800                                     |
|    | <b>RRID :</b>         | AB_2571686  |
| 3) | <b>Catalog #:</b>     | MSFR101210  |
|    | <b>Item Name:</b>     | DAT pAb (Go) 20ug                                 |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Goat  |
|    | <b>Product Code :</b> | DAT-Go-Af980                                      |
|    | <b>RRID :</b>         | AB_2571687  |
| 4) | <b>Catalog #:</b>     | MSFR101220  |
|    | <b>Item Name:</b>     | DAT pAb (Go) 50ug                                 |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Goat  |
|    | <b>Product Code :</b> | DAT-Go-Af980                                      |
|    | <b>RRID :</b>         | AB_2571687  |
| 5) | <b>Catalog #:</b>     | MSFR101230  |
|    | <b>Item Name:</b>     | DAT pAb (GP, forWB) 20ug                          |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | DAT-GP-Af720                                      |
|    | <b>RRID :</b>         | AB_2571688  |
| 6) | <b>Catalog #:</b>     | MSFR101240  |
|    | <b>Item Name:</b>     | DAT pAb (GP, forWB) 50ug                          |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | DAT-GP-Af720                                      |
|    | <b>RRID :</b>         | AB_2571688  |
| 7) | <b>Catalog #:</b>     | MSFR101250  |
|    | <b>Item Name:</b>     | DAT pAb (GP) 20ug                                 |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | DAT-GP-Af660                                      |
|    | <b>RRID :</b>         | AB_2571689  |
| 8) | <b>Catalog #:</b>     | MSFR101260  |
|    | <b>Item Name:</b>     | DAT pAb (GP) 50ug                                 |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | DAT-GP-Af660                                      |
|    | <b>RRID :</b>         | AB_2571689  |
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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。

**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** : rabbit / guinea pig / goat, polyclonal

**Antigen** : mouse DAT, 1-60 aa (BC054119)

**Specificity** : mouse (others not tested)

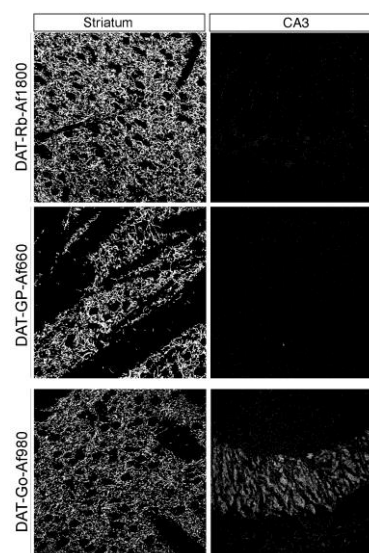
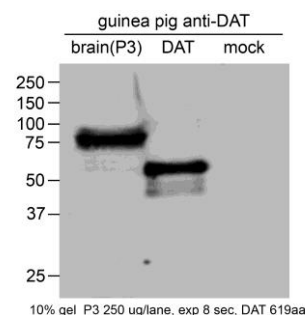
Immunoblot detects a single protein band at 60-65 kDa. This selectively stains axons of dopaminergic neurons.

**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** : DAT-GP-Af720 can be used for immunoblot ([see the picture](#)) as well as for immunohistochemistry, but has non-specific labeling in mossy fibers projecting to the hippocampal CA3 region. Non-specific labeling in mossy fibers is also found in DAT-Go-Af980. DAT-Rb-Af1800 and DAT-GP-Af660 are highly specific to DAT without non-specific labeling in mossy fibers, although they are low sensitivity when used in immunoblot.

**Reference** : Uchigashima M, Narushima M, Fukaya M, Katona I, Kano M, Watanabe M: Subcellular arrangement of molecules for 2-arachidonoyl-glycerol-mediated retrograde signaling and its physiological contribution to synaptic modulation in the striatum. **J. Neurosci.** 27:3663-3676, 2007.



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