

Anti-D2R

(dopamine receptor-2)

Code Number : D2R-Rb-Af960 (rabbit, RRID : AB_2571596)

: D2R-GP-Af500 (guinea pig, RRID : AB_2571597)

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.

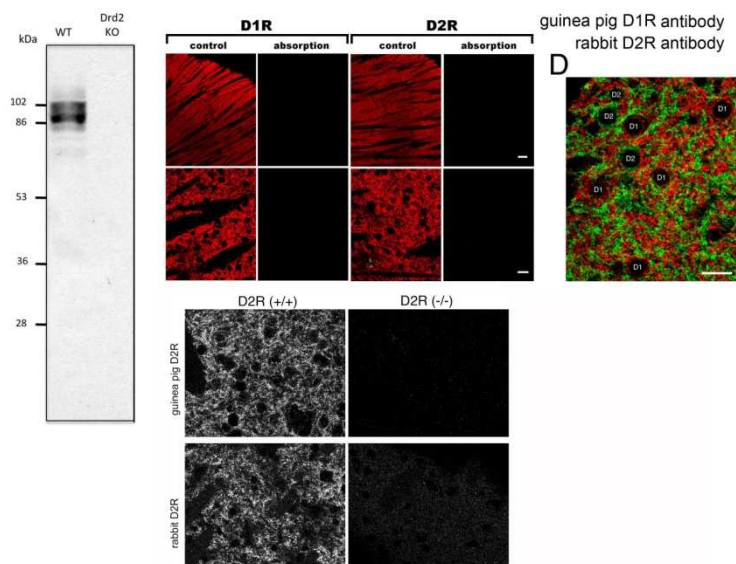
Storage : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

Species : rabbit / guinea pig, polyclonal

Antigen : mouse, the third intracellular loop, 271–370aa (NM010077)

Specificity : mouse (others not tested)

Immunoblot with rabbit D2R detects broad protein bands at 90-100 kDa.



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 : This stains nearly a half population of striatal medium spiny neurons. Note striatal interneurons also express D2R.

Reference : 1) Narushima, M., Uchigashima, M., Hashimoto, K., Watanabe, M., Kano, M. (2006) Depolarization-induced suppression of inhibition mediated by endocannabinoid at synapses from fast-spiking interneurons to medium spiny neurons in the striatum. *Eur. J. Neurosci.* 24:2246-2252.

2) 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.