

Anti-SK2*(small conductance Ca-dependent potassium channel-2)*

Code Number : SK2-Rb-Af500 (rabbit, RRID : AB_2571840)

: SK2-GP-Af540 (guinea pig, RRID : AB_2571841)

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 SK2, C-terminal 536-574aa, (NM080465),

Specificity : mouse (others not tested)

The lack of immunohistochemical signal in SK2-KO brain tissues.

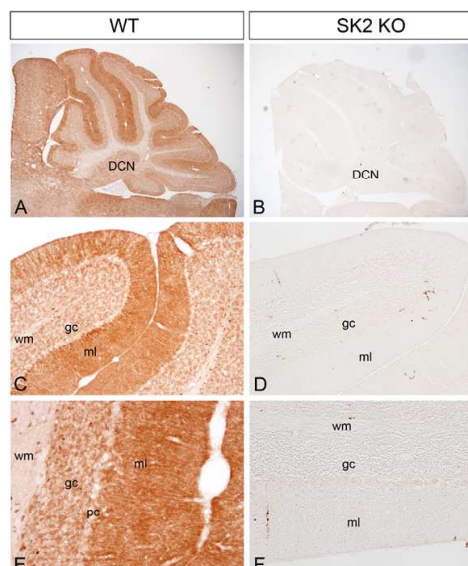
Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry.

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 : The above pictures are provided from Dr. Rafael Lujan in Universidad de Castilla-La Mancha, Spain.

Reference : 1) Kakizawa, S. Kishimoto, Y., Hashimoto, K., Miyazaki, T. Furutani, K., Shimizu H, Fukaya M, Nishi, M., Sakagami, H., Ikeda A, Kondo, H., Kano, M., Watanabe, M., Iino, M.,



Takeshima, H. Junctophilin-mediated channel crosstalk essential for cerebellar synaptic plasticity. *EMBO J.* 26:1924-1933, 2007.

2) Lin MT, Lujan R, Watanabe M, Adelman JP, Maylie J: SK2 channel plasticity contributes to LTP at Shaffer collateral-CA1 synapses. *Nature Neurosci.*, 11:170-177, 2008. (see supplemental Fig. 1 for specificity in immunohistochemistry)