Anti-Calbindin (CB-28kD)

Code Number : Calbindin-Rb-Se-1 (rabbit)
: Calbindin-GP-Af280 (guinea pig)
: Calbindin-Go-Af1040 (goat)

Size : 20 μg and 50 μg / See label on vial, for guinea pig and goat
(affinity-purified with antigen polypeptide)
50 μl for rabbit (1:10 diluted serum, equivalent 20μg)

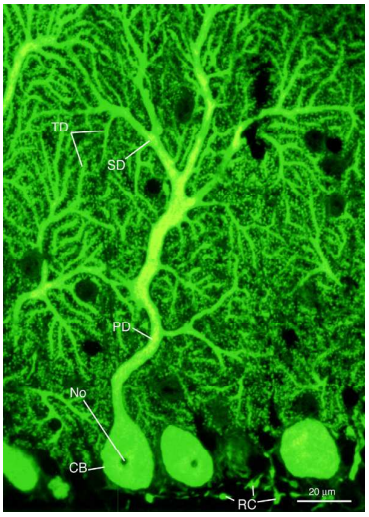
Formulation : Liquid ; 200μg/ml in PBS with 0.05% NaN_3.

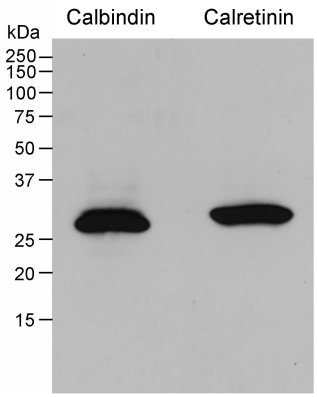
Storage : Store at 4˚C. The antibody can be stored at 4˚C. The antibody can be also aliquotted and stored at -80˚C for long-term storage. Avoid repeated freeze-thawing. Non-hazardrous. No MSDS required.

Species : rabbit / guinea pig / goat, polyclonal

Antigen : rat calbindin purified from rat brains for rabbit serum, mouse calbindin expressed in bacteria for guinea pig and goat antibodies.

Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 28 kDa.





Applications : The rabbit antiserum contains can be used for cryosections and microslicer

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sections at the final dilution of 1:10000-1:40000, and for paraffin section at the final dilution of 1:4000-1:10000. Affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate dilution in given tissues 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 : If you have no special preference for species, rabbit and goat CB antibodies are primarily recommended.

Reference : 1) Nakagawa S, Watanabe M, Isobe T, Kondo H, Inoue Y: Cytological compartmentalization in the staggerer cerebellum, as revealed by calbindin immunohistochemistry for Purkinje cells. **J. Comp. Neurol**. 395:112-120, 1998
2) Miura E, Fukaya M, Sato T, Sugihara K, Asano M, Yoshioka K, Watanabe M: Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain. **J. Neurochem**. 97:1431-1446, 2006
3) Yoshida T, Fukaya M, Uchigashima M, Kamiya H, Kano M, Watanabe M: Localization of diacylglycerol lipase-α around postsynaptic spine suggests close proximity between production site of an endocannabinoid, 2-arachidonoyl-glycerol, and presynaptic cannabinoid CB1 receptor. **J. Neurosci**. 26: 4740-4751, 2006

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