

Anti-A2A adenosine receptor

Code Number : A2A-Go-Af700 (goat, RRID : AB_2571655)

: A2A-GP-Af1000 (guinea pig, RRID : AB_2571656)

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.

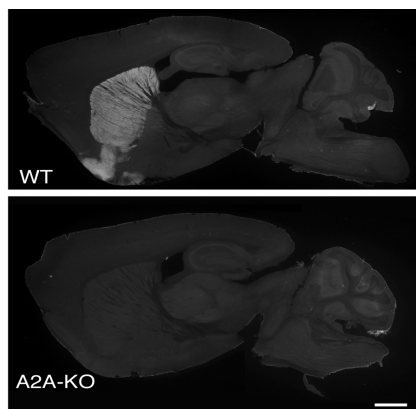
Storage : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardrous. No MSDS required.

Species : guinea pig / goat, polyclonal

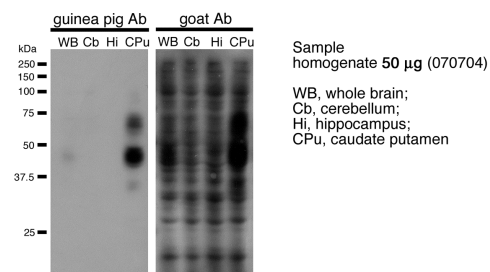
Antigen : mouse, C-terminus 33 aa (NM009630)

Specificity : Immunoblot with guinea pig anti-A2A detects two protein bands at 44 kDa (major) and 62 kDa (minor), and specificity is verified by the blank immunohistochemistry with A2A-KO brain. Goat anti-A2A also stains in a similar pattern in immunohistochemistry, but detects additional bands by immunoblot.

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.



Immunoblot for A2AR 070705



Research Use : For research use only, not for use in diagnostic procedures.

Remarks : Anti-A2AR guinea pig and goat antibodies intensely detect A2AR on the plasma membrane of striatal neurons. However, weak background staining may also appear, likely depending on the status of the fixation. Guinea pig A2AR antibody detects non-specifically astrocytes, while goat antibody yields weak non-specific labeling in the cytoplasm of somatodendritic neuronal elements.

Reference : Quiroz C, Luján R, Uchigashima M, Simoes AP, Lerner T, Borycz J, Kachroo A, Canas P, Orru M, Schwarzschild M, Rosin D, Kreitzer A, Cunha R, Watanabe M, Ferré S (2009) *The Scientific World JOURNAL* 9:1321-1344.