

## *Anti-A2A adenosine receptor*

### Product Information:

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1) <b>Catalog #:</b>	MSFR100060
<b>Item Name:</b>	A2A adenosine receptor pAb (Go) 20ug
<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Goat
<b>Product Code :</b>	A2A-Go-Af700
<b>RRID :</b>	AB_2571655
2) <b>Catalog #:</b>	MSFR100070
<b>Item Name:</b>	A2A adenosine receptor pAb (Go) 50ug
<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Goat
<b>Product Code :</b>	A2A-Go-Af700
<b>RRID :</b>	AB_2571655
3) <b>Catalog #:</b>	MSFR100080
<b>Item Name:</b>	A2A adenosine receptor pAb (GP) 20ug
<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Guinea pig
<b>Product Code :</b>	A2A-GP-Af1000
<b>RRID :</b>	AB_2571656
4) <b>Catalog #:</b>	MSFR100090
<b>Item Name:</b>	A2A adenosine receptor pAb (GP) 50ug
<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Guinea pig
<b>Product Code :</b>	A2A-GP-Af1000
<b>RRID :</b>	AB_2571656

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**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 cool temp (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** : guinea pig / goat, polyclonal

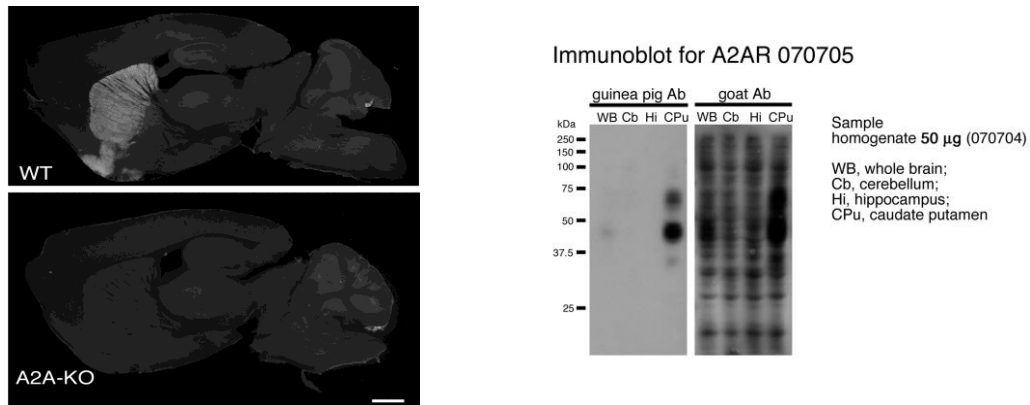
**Antigen** : mouse, C-terminus 33 aa (NM009630)

**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

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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** : 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.

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