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AM12133PU-N Monoclonal Antibody to Adenosine receptor A2a (full length) -

Purified

Alternate names: ADORA2, ADORA2A

Quantity: 50 μg

Concentration: 0.5 mg/ml

Background: The A2a Adenosine Receptor is a major target of caffeine. This receptor inhibits cell

aggregation, induces vasodilation, and downregulates inflammation. This gene encodes a protein which is one of several receptor subtypes for adenosine. The activity of the encoded protein, a G protein coupled receptor family member, is mediated by G proteins which activate adenylyl cyclase. The encoded protein is abundant in basal ganglia, vasculature and platelets and it is a major target of

caffeine.

Uniprot ID: P29274

NCBI: NP 000666

GenelD: <u>135</u>

Host / Isotype: Mouse / IgG2a Recommended Isotype AM03096PU-N

Controls:

Clone: 7F6-G5-A2 / 7F6

Immunogen: 6His-tagged full-length Human recombinant A2A receptor.

Epitope: 3rd Intracellular Domain (SQPLPGER)

Genename: ADORA2A

Format: State: Liquid purified IgG fraction

Purification: Protein G Chromatography

Buffer System: 0.01M Tris-Glycine, pH 7.4, 0.15M Sodium Chloride

Preservatives: 0.05% Sodium Azide

Applications: Flow Cytometry.

Immunohistochemistry on Paraffin Sections: 5 μg/ml.

IHC-Pfa: 1 µg/ml. Western Blot: 1/1000.

Other applications not tested. Optimal dilutions are dependent on conditions and

should be determined by the user.

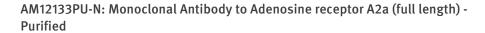
Specificity: This antibody recognizes Human Adenosine Receptor A2A at ~43 kDa.

Does not recognize Adenosine Receptor A2A in knockout mice.

Species Reactivity: Tested: Human, Mouse, Rat, Canine (Dog), Guinea Pig and Rabbit

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.





Pictures:

AM12133PU-N ADORA2A antibody staining of Formalin-Fixed Paraffin-Embedded Human Brain, Putamen at 5 $\mu g/ml$ after heat-induced antigen retrieval.

