

## AM12133PU-N

## Monoclonal Antibody to Adenosine receptor A2a (full length) - Purified

<b>Alternate names:</b>	ADORA2, ADORA2A
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P29274</a>
<b>NCBI:</b>	<a href="#">NP_000666</a>
<b>GeneID:</b>	<a href="#">135</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	7F6-G5-A2 / 7F6
<b>Immunogen:</b>	6His-tagged full-length Human recombinant A2A receptor. <b>Epitope:</b> 3rd Intracellular Domain (SQPLPGER) <b>Genename:</b> ADORA2A
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Protein G Chromatography <b>Buffer System:</b> 0.01M Tris-Glycine, pH 7.4, 0.15M Sodium Chloride <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Flow Cytometry.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>IHC-Pfa:</b> 1 µg/ml. <b>Western Blot:</b> 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human Adenosine Receptor A2A at ~43 kDa. <b>Does not</b> recognize Adenosine Receptor A2A in knockout mice.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat, Canine (Dog), Guinea Pig and Rabbit
<b>Storage:</b>	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.

