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Product datasheet for AP31068PU-N

Adenosine Receptor A2a (ADORA2A) (C-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	**Peptide ELISA:** 1/8000 (Detection Limit). **Western Blot:** This antibody has been successfully used on lysates of primary Rhesus microglia (See Reference 1 for more details). **Immunofluorescence:** 10 µg/ml. Strong expression of the protein seen in the cytoplasm of HepG2 cells.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C-Terminus of the protein sequence according to NP_000666.2.
Specificity:	This antibody detects Adenosine A2a Receptor.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adenosine A2a receptor
Database Link:	Entrez Gene 135 Human P29274

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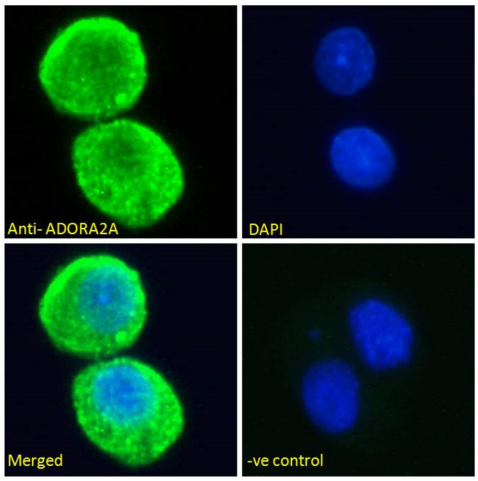
Background: The A2a Adenosine Receptor is a major target of caffeine. This receptor inhibits cell aggregation, induces vasodilation, and downregulates inflammation. This gene encodes a protein which is one of several receptor subtypes for adenosine. The activity of the encoded protein, a G protein coupled 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.

Synonyms: ADORA2A, ADORA2

Product images:



AP31068PU-N Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).