

Product datasheet for **AP50096PU-N**

Adenosine Receptor A2a (ADORA2A) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500. Immunofluorescence: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 280-309 amino acids from the Central region of human ADORA2A
Specificity:	This antibody reacts to Adenosine receptor A2a.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody 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
Background:	ADORA2A is 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. This protein is abundant in basal ganglia, vasculature and platelets and it is a major target of caffeine.



[View online »](#)

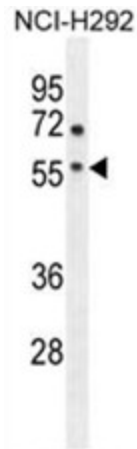
Synonyms: ADORA2A, ADORA2

Note: **Molecular Weight:** 44707 Da

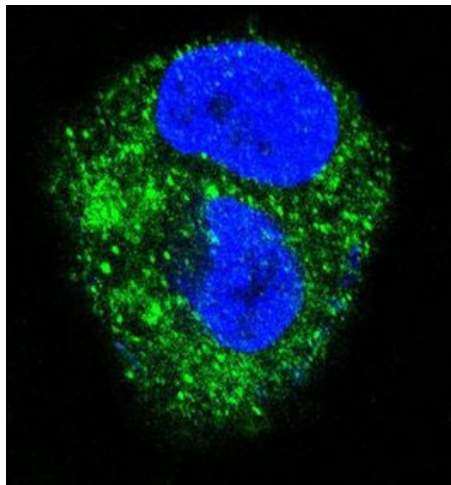
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction

Product images:



ADORA2A Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35 ug/lane). This demonstrates the ADORA2A antibody detected the ADORA2A protein (arrow).



Confocal immunofluorescent analysis of ADORA2A Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).