10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADORA2A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10467C

Specification

ADORA2A Antibody (Center) - Product Information

Application	**IF, WB,E**
Primary Accession	P29274
Other Accession	P30543, Q60613, NP_000666.2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**273-301**

ADORA2A Antibody (Center) - Additional Information

Gene ID 135

Other Names
Adenosine receptor A2a, ADORA2A, ADORA2

Target/Specificity
This ADORA2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-301 amino acids from the Central region of human ADORA2A.

Dilution
IF~~1:10~50
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ADORA2A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ADORA2A Antibody (Center) - Protein Information

Name ADORA2A

Synonyms ADORA2

Function Receptor for adenosine (By similarity). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).

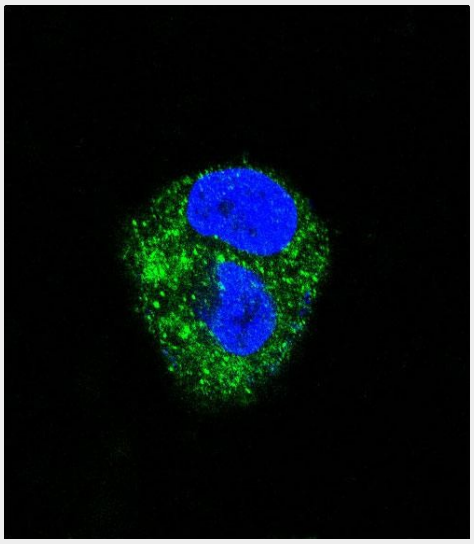
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P30543}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P30543} Note=Colocalizes with GAS2L2 at neuronal processes {ECO:0000250|UniProtKB:P30543}

ADORA2A Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

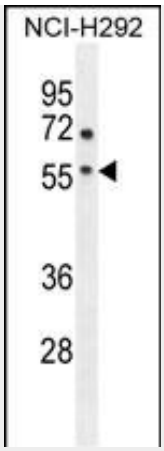
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADORA2A Antibody (Center) - Images



Confocal immunofluorescent analysis of ADORA2A Antibody (Center) (Cat#AP10467c) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



ADORA2A Antibody (Center) (Cat. #AP10467c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the ADORA2A antibody detected the ADORA2A protein (arrow).

ADORA2A Antibody (Center) - 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.

ADORA2A Antibody (Center) - References

Buira, S.P., et al. J. Neurochem. 115(1):283-295(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Rogers, P.J., et al. Neuropsychopharmacology 35(9):1973-1983(2010)
Tebano, M.T., et al. ScientificWorldJournal 10, 1768-1782 (2010) :
Kobayashi, H., et al. Behav Brain Funct 6, 50 (2010) :