ADORA2A rabbit monoclonal antibody

Catalog # H00000135-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ADORA2A peptide using ARM Technology.
Immunogen	A synthetic peptide of human ADORA2A is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ADORA2A peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ADORA2A

Entrez GeneID	135
GeneBank Accession#	ADORA2A
Gene Name	ADORA2A
Gene Alias	ADORA2, RDC8, hA2aR
Gene Description	adenosine A2a receptor
Omim ID	102776
Gene Ontology	Hyperlink
Gene Summary	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 w hich activate adenylyl cyclase. The encoded protein is abundant in basal ganglia, vasculature and platelets and it is a major target of caffeine. [provided by RefSeq
Other Designations	adenosine A2 receptor|adenosine receptor subtype A2a

Pathway

- Calcium signaling pathway
- Neuroactive ligand-receptor interaction
- Vascular smooth muscle contraction

Disease

- Amphetamine-Related Disorders
- Anorexia Nervosa
- Anxiety Disorders
- Arousal
- Arthritis

- Asthma
- Atherosclerosis
- Autistic Disorder
- Bulimia
- Calcinosis
- Cardiovascular Diseases
- Cognition
- Coronary Artery Disease
- Depressive Disorder
- Diabetes Mellitus
- Drug Hypersensitivity
- Drug Toxicity
- Edema
- Fatigue
- Genetic Predisposition to Disease
- Headache
- Huntington disease
- Hypertension
- Mental Disorders
- Migraine with Aura
- Mood Disorders
- Neuropsychological Tests
- Panic Disorder
- Parkinson disease
- Personality Inventory
- Psychiatric Status Rating Scales

- Psychomotor Performance
- Psychoses
- Reaction Time
- Schizophrenia
- Schizophrenic Psychology
- Sleep
- Sleep Disorders
- Sleep Initiation and Maintenance Disorders
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Syncope
- Weight Gain