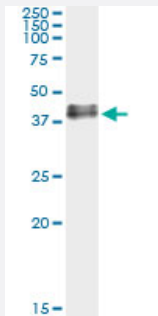


ADORA2A monoclonal antibody (M17), clone 4E4

Catalog # H00000135-M17

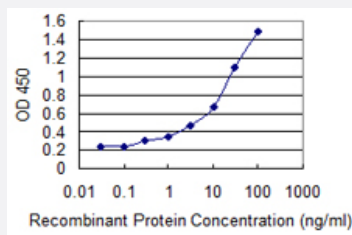
Size 100 ug

Applications



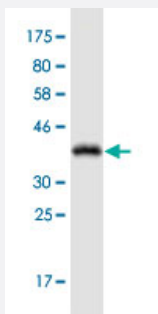
Immunoprecipitation

Immunoprecipitation of ADORA2A transfected lysate using anti-ADORA2A monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ADORA2A MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADORA2A is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (38.94 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ADORA2A.

Immunogen	ADORA2A (NP_000666.2, 147 a.a. ~ 267 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GQPKEGKNHSQGC GEGQVACLFEDVVP MN YMVYFNFFACVLVPLLLMLGVYLRIFLAARRQLKQ MESQPLPGERARSTLQKEVHAAKSLAIVGLFALCWLP LHIINCFTFFCPDCSHAPL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (85)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.94 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of ADORA2A transfected lysate using anti-ADORA2A monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ADORA2A MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADORA2A is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADORA2A

Entrez GeneID

[135](#)

GeneBank Accession#	NM_000675.3
Protein Accession#	NP_000666.2
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 which 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](#)