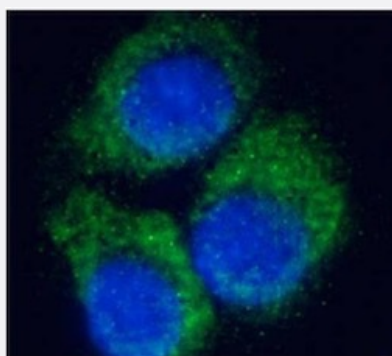


RecomAb™

ADORA2A recombinant monoclonal antibody, clone Ig2838

Catalog # RAB03653 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of HepG2 cells with ADORA2A recombinant monoclonal antibody, clone Ig2838 (Cat # RAB03053).

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells on Shi-fix™ coverslips- permeabilized with 0.15% Triton and stained with RAB03053 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing granular cytoplasmic staining- possibly of protein in trafficking vesicles. The nuclear stain is DAPI (blue). The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human ADORA2A.
Antibody Species	Mouse
Immunogen	Original antibody is raised against human recombinant A2-adenosine receptor.
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG1 kappa

Recommend Usage	ELISA
	Blocking
	Immunofluorescence
	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS with 0.02% Proclin 300
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Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with ADORA2A recombinant monoclonal antibody, clone Ig2838 (Cat # RAB03053). Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells on Shi-fix™ coverslips- permewith 0.15% Triton and stained with RAB03053 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing granular cytoplasmic staining- possibly of protein in trafficking vesicles. The nuclear stain is DAPI (blue). The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Blocking

Gene Info — ADORA2A

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