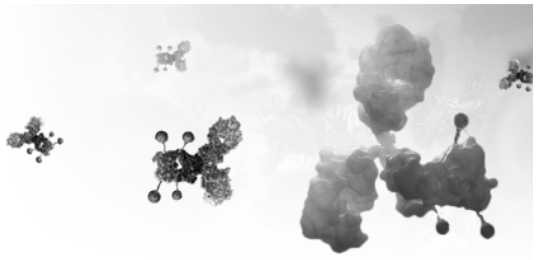

Anti-ADORA1 monoclonal antibody (DCABH-10436)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is an adenosine receptor that belongs to the G-protein coupled receptor 1 family. There are 3 types of adenosine receptors, each with a specific pattern of ligand binding and tissue distribution, and together they regulate a diverse set of physiologic functions. The type A1 receptors inhibit adenylyl cyclase, and play a role in the fertilization process. Animal studies also suggest a role for A1 receptors in kidney function and ethanol intoxication. Transcript variants with alternative splicing in the 5 UTR have been found for this gene.
Immunogen	A synthetic peptide of human ADORA1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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Gene Name	ADORA1 adenosine A1 receptor [Homo sapiens]
Official Symbol	ADORA1
Synonyms	ADORA1; adenosine A1 receptor; adenosine receptor A1; RDC7;
Entrez Gene ID	134
Protein Refseq	NP_000665
UniProt ID	P30542
Chromosome Location	1q32.1
Pathway	Adenosine P1 receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Morphine addiction, organism-specific biosystem;
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled adenosine receptor activity; G-protein coupled receptor binding; heterotrimeric G-protein binding; phospholipase C activity; protein binding; protein heterodimerization activity; purine nucle

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