www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Beta-3 adrenergic receptor (ADRB3) Antibody

Product Details

Available Variants	100 µL (SKU:C-1529-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Affinity-purified
Physical State	Liquid
Buffer	PBS with 0.02% sodium azide.
Applications	ELISA, WB
Dilution Ranges	WB: 1:2000-1:5000 ELISA: 1:2000-1:5000
Species Reactivity	Mouse, Rat
Immunogen	A synthetic peptide from mouse beta 3 Adrenergic Receptor (386-400 aa).
Specificity	This antibody detects ADRB3 in mouse and rat at approx 44 kDa. mouse, rat.
Molecular Weight	44 kDa
Storage	Short term storage at 2-8°C for one week. At -20°C as an undiluted liquid for up to 12 months.
UniProt ID	P25962 UniProt Summary: G protein-coupled receptor for catecholamines that couples to both G(s) and G(i) proteins, leading to either activation or inhibition of adenylate cyclase and cAMP-dependent pathway, respectively. The rank order of potency for physiological agonists is norepinephrine > epinephrine. Involved in the regulation of thermogenesis and lipolysis in brown and white adipose tissue, after coupling to G(s) proteins and stimulation of the cAMP-PKA axis. Also activates lipolytic process by coupling to G(i) proteins and consequent initiation of the ERK1/2 MAP kinase cascade. Participates in relaxation of the

	blood vessels and the urinary bladder. Also mediates negative inotropic effects in cardiomyocytes through activation of an NO synthase pathway and subsequent increase in cGMP levels, possibly involving G(i/o) protein-mediated coupling.
Country of Origin	United States
Shipping	2-8°C (on cold packs)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	11556

Product Images



Anti-Beta-3 adrenergic receptor (ADRB3) Antibody