

β3-AR Polyclonal Antibody

CATALOG #:	3939-200
AMOUNT:	200 µg
LOT #:	_____
IMMUNOGEN:	Synthetic peptide surrounding the C-terminal end of β3-AR
INTERNAL ID#:	BV-H4A
HOST:	Rabbit
SPECIES REACTIVITY:	Rat

FORMULATION:

200 µg (0.5 mg/ml) affinity purified rabbit anti- β3-AR polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

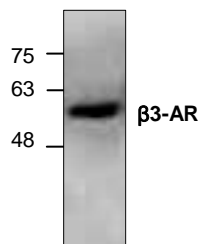
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

The neurotransmitter/hormone adrenaline (epinephrine, adrenalin) plays a central role in the mammalian stress response, increasing heart rate, raising blood pressure, and increasing blood glucose levels. Adrenaline activates both alpha-adrenergic receptors and beta-adrenergic receptors. There are mainly three subtypes of beta adrenergic receptors known, beta1, beta2, and beta3. These receptors are expressed primarily in the heart, respiratory tissue, and adipose tissue. Beta3-receptors are abundant in brown adipocytes and play vital roles in lipolysis and thermoregulation. Beta adrenergic receptors are gaining much interest among researchers in the studies of type-2 diabetes mellitus and obesity. It is also being considered as a therapeutic target for heart failure.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3939BP-50) is available separately.



Cat. #: 3939-200 Beta3-AR Antibody. Western blot analysis of β3-AR with rat kidney tissue lysate.

FOR RESEARCH USE ONLY! Not to be used on humans.

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