

bs-0947R**[Primary Antibody]****BioSS**
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ADRB2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 154	SWISS: P07550	
Target: ADRB2		Predicted MW.: 46 kDa
Immunogen: KLH conjugated synthetic peptide derived from human ADRB2: 201-300/418.		Subcellular Location: Cell membrane
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Beta 2 Adrenergic Receptor is a member of the G protein coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L type calcium channel Ca(V)1.2. This receptor channel complex also contains a G protein, an adenylyl cyclase, cAMP dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein coupled receptor. This gene contains no introns in either its coding or untranslated sequences. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes. Expression of the beta 2 Adrenergic Receptor has been reported in adipose, blood, brain, heart, lung, nose, pancreas, skeletal muscle, skin, and vessel.		

— SELECTED CITATIONS —

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- **[IF=6.208]** Lina S. Farhoumand. et al. Blockade of β -Adrenergic Receptors by Nebivolol Enables Tumor Control Potential for Uveal Melanoma in 3D Tumor Spheroids and 2D Cultures. INT J MOL SCI. 2023 Jan;24(6):5894 FCM ;Human. 36982966
- **[IF=4.6]** Marvanova Aneta. et al. Continuous short-term acclimation to moderate cold elicits cardioprotection in rats, and alters β -adrenergic signaling and immune status. SCI REP-UK. 2023 Oct;13(1):1-18 WB ;Rat. 37880253
- **[IF=4.831]** Liu Z et al. Over-expression of microRNA-145 drives alterations in β -adrenergic signaling and attenuates cardiac remodeling in heart failure post myocardial infarction. Aging (Albany NY). 2020 Jun 18;12(12):11603-11622. WB ;Rat. 32554856
- **[IF=5.223]** Yunjung Lee. et al. Synergistic effect of n-3 PUFA and probiotic supplementation on bone loss induced by chronic mild stress through the brain-gut-bone axis. J FUNCT FOODS. 2023 Jan;100:105363 WB,IHC ;Rat. 10.1016/j.jff.2022.105363