bs-1063R **[Primary Antibody]**

ADRB3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 155 **SWISS:** P13945

Target: ADRB3

Immunogen: KLH conjugated synthetic peptide derived from human ADRB3: 310-408/408. < Cytoplasmic >

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 3 Adrenergic Receptor is located mainly in adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Beta adrenergic receptors are involved in the epenephrine and norepinephrine-induced activation of adenylate cyclase through the action of G proteins. beta 3 Adrenergic Receptor expression has been documented in adipose tissues, heart, and in smooth muscle of digestive and urinary tract organs (bladder, colon, small intestine, stomach, ureter). Utilization of alternate promoters and/or 3-prime untranslated regions may result in tissue-specific regulation of the expression of this protein.

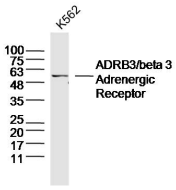
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Pig, Sheep, Dog)

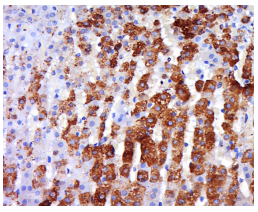
Predicted MW.: 44 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: K562(Human) Cell Lysate at 40 ug Primary: Anti-beta 3 Adrenergic Receptor (bs-1063R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 54 kD



Tissue/cell: Rat adrenal gland; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ADRB3 Polyclonal Antibody, Unconjugated(bs-1063R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=6.208]** Lina S. Farhoumand. et al. Blockade of ß-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=4.699]** Pellegrino Lippiello. et al. Role of β3 - adrenergic receptor in the modulation of synaptic transmission and plasticity in mouse cerebellar cortex. J Neurosci Res. 2020 Nov;98(11):2263-2274 IF ;Mouse. 33174240
- **[IF=4.757]** Katarina Andelova. et al. Cardiac Cx43 Signaling Is Enhanced and TGF-β1/SMAD2/3 Suppressed in

Response to Cold Acclimation and Modulated by Thyroid Status in Hairless SHRM. BIOMEDICINES. 2022 Jul;10(7):1707 WB ;Rat. 35885012

- **[IF=4.2]** Wang Yu-Wan. et al. Long-term exposure to constant light disrupts intestinal stem cells through sympathoexcitation-induced Wnt5a signaling inhibition. GASTROENTEROL REP. 2025 May;13: IHC ;Rat. 40438259
- **[IF=3.647]** Clarissa Germano Barp et al. Perivascular adipose tissue phenotype and sepsis vascular dysfunction: Differential contribution of NO, ROS and beta 3-adrenergic receptor. Life Sci. 2020 Aug 1;254:117819. IF ;Rat. 32442451