bs-12979R **[Primary Antibody]**

phospho-ADRB2 (Ser355 + Ser356) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 154 **SWISS:** P07550

Target: ADRB2 (Ser355 + Ser356)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human ADRB2 around the phosphorylation site of Ser355 + Ser356: GY(p-S)(p-S)N.

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.

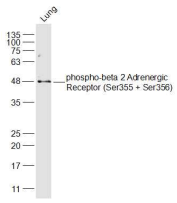
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit)

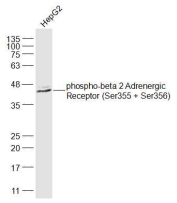
Predicted MW.: 46 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-phospho-beta 2 Adrenergic Receptor (Ser355 + Ser356) (bs-12979R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD



Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-phospho-beta 2 Adrenergic Receptor (Ser355 + Ser356) (bs-12979R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD