

## AR- $\beta$ 2 (phospho-S346) polyclonal antibody

Catalog: BCP00237

Host: Rabbit

Reactivity: Human,Mouse,Rat

### 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 47 kDa, 68 kDa (glycosylated), 95 kDa (Dimer)

### Swiss-Prot:

P07550

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

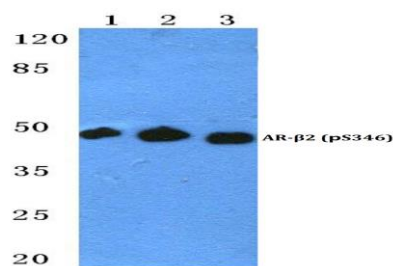
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-AR- $\beta$ 2 (S346) polyclonal antibody detects endogenous levels of AR- $\beta$ 2 protein only when phosphorylated at Ser346.

### DATA:



Western blot (WB) analysis of p-AR- $\beta$ 2 (S346) polyclonal antibody at 1:500 dilution

Lane1:HepG2 cell lysate treated with PMA(100nM,30mins)

Lane2:Mouse spleen tissue lysate

Lane3:Rat spleen tissue lysate

### Note:

For research use only, not for use in diagnostic procedure.