

# **CREB (V115) polyclonal antibody**

Catalog: **BS1624**  Host:

Rabbit

**Reactivity:** Human

## **BackGround:**

Cyclic AMP Response Element Binding protein (CREB) is a basic / leucine zipper transcription factor that binds the cyclic AMP response element (CRE) and activates transcription in response to a variety of extracellular signals including neurotransmitters, hormones, membrane depolarization, and growth and neurotrophic factors. Activation of CREB is dependent upon the phosphorylation of serine 133. Phosphorylation occurs via p44 / 42 MAP kinase and p90RSK and also via p38 MAP kinase and MSK 1. Although CREB will bind DNA independent of its phosphorylation state, only the phosphorylated form is competent as a transcription factor. CREB binding protein (CBP), a transcriptional coactivator that directly interacts with CREB, binds to CREB in the region of serine 133.

**Product:** 

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

**Molecular Weight:** 

~ 40 kDa

**Swiss-Prot:** 

P16220

**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

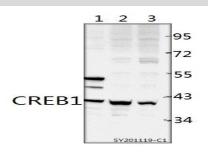
**Storage&Stability:** 

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

### **Specificity:**

CREB (V115) polyclonal antibody detects endogenous levels of CREB protein.

#### **DATA:**



Western blot (WB) analysis of CREB1 pAb at 1:500 dilution Lane1:EC9706 whole cell lysate(40ug) Lane2:A549 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

#### Note:

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

## **Bioworld Technology, Inc.**

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA. **Email:** info@bioworlde.com Tel: 6123263284 6122933841 Fax:

## Bioworld technology, co. Ltd.

No 9, weidi road Qixia District Nanjing, 210046, Add: P. R. China. **Email:** info@biogot.com Tel: 0086-025-68037686 0086-025-68035151 Fax: