

## PEBP1 polyclonal antibody

Catalog: BS5912

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Raf kinase inhibitor protein (RKIP) is a cytosolic protein that was initially characterized as a phosphatidylethanolamine-binding protein (PBP) expressed in brain tissue and secreted from testis fluid. In addition, RKIP was identified by yeast two-hybrid screening of human T cell libraries directed at identifying proteins that associate with the BXB kinase domain of the serine/threonine kinase, Raf-1. Subsequent in vitro and in vivo studies indicate that RKIP binds to both the active and inactive forms of Raf-1 and thereby regulates the signaling cascade of the MAP kinase pathway. The specific association of RKIP with kinase-active Raf-1 competitively inhibits the binding and activation of the Raf-1 substrate MEK. RKIP, in turn, affects downstream MAP kinase signaling by decreasing the activation of MEK effector proteins, including ERK1 and ERK2, and the subsequent induction of AP-1 mediated transcription.

### Product:

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

### Molecular Weight:

~ 21 kDa

### Swiss-Prot:

P30086

### 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

ICC: 1:50~1:200

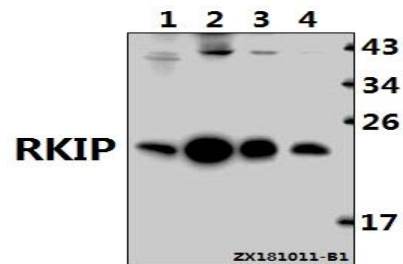
### Storage&Stability:

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

### Specificity:

PEBP1 polyclonal antibody detects endogenous levels of PEBP1 protein.

### DATA:



Western blot (WB) analysis of RKIP (L138) pAb at 1:500 dilution

Lane1:3T3-L1 whole cell lysate(40ug)

Lane2:The Testis tissue lysate of Rat(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)

### Note:

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

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