

**DAPK1 polyclonal antibody**

Catalog: BCP00638

Host: Rabbit

Reactivity: Human

**BackGround:**

DAP (death associated protein) kinase and ZIP kinase are members of a novel protein kinase family, the members of which have the capacity to mediate apoptosis through their catalytic activities. DAP kinase (DAPK) contains a "death domain" and has been shown to mediate IFN- $\gamma$ -induced apoptosis. The introduction of DAPK into highly metastatic carcinoma clones lacking DAPK expression has been shown to result in the suppression of metastasis, thus linking suppression of apoptosis to metastasis. ZIP kinase contains a leucine zipper domain, which is necessary for homodimerization and for interaction with other leucine zipper proteins. ZIP kinase dimerizes with ATF-4, an ATF/CREB transcription factor family member that contains a leucine zipper. Overexpression of ZIP kinase has been shown to result in morphological changes associated with apoptosis in NIH/3T3 cells.

**Product:**

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

**Molecular Weight:**

~ 160 kDa

**Swiss-Prot:**

P53355

**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 : 1:500~1:2000

IHC : 1:50~1:100

**Storage&Stability:**

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

**Specificity:**

DAPK1 polyclonal antibody detects endogenous levels of DAPK1 protein.

**DATA:**

Western blot (WB) analysis of DAPK1 pAb at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

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

**Note:**

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