

# PRODUCT DATA SHEET

Bioworld Technology,Inc.

# **DUSP16** polyclonal antibody

Catalog: BS61547 Host: Rabbit Reactivity: Human, Mouse, Rat

#### **BackGround:**

DUSP16/MKP7 is a negative regulator of the JNK/SAPK family of stress-activated MAP kinases. It inhibits JNK-mediated signaling events by dephosphorylating threonine and tyrosine residues within the activation loop of JNK proteins, effectively preventing further activation of downstream effectors. DUSP16/MKP7 expression has been shown to be upregulated after oxidative stress, presumably as a means of supressing JNK activity in order to return the cells to a homeostatic state. DUSP16 is normally turned over at a high-rate in most cells, but the stability of the protein can be enhanced by Erk1/2-mediated phosphorylation on Ser446, indicating that activation of mitogenic signaling pathways can supress stress-response pathways via stabilization of a JNK phosphatase . Despite demonstrating a substrate preference towards JNK proteins, DUSP16/MKP7 has been shown to interact with other MAPK family members (Erk1/2, p38 MAPKs) as well as scaffolding proteins that may coordinate its activity and specificity.

### **Product:**

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

## **Molecular Weight:**

~ 73 kDa

# **Swiss-Prot:**

Q9BY84

# **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

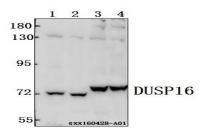
# **Storage&Stability:**

Store at  $4 \, \mathbb{C}$  short term. Aliquot and store at  $-20 \, \mathbb{C}$  long term. Avoid freeze-thaw cycles.

# **Specificity:**

DUSP16 polyclonal antibody detects endogenous levels of DUSP16 protein.

#### **DATA:**



Western blot (WB) analysis of DUSP16 polyclonal antibody at 1:500 dilution

Lane1:The Kidney tissue lysate of Rat(40ug)

Lane2:The Brain tissue lysate of Mouse(40ug)

Lane3:SK-OVCAR3 whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

#### Note

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

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