

## 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 suppressing 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 suppress 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 73 kDa

### Swiss-Prot:

Q9BY84

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen 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:

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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