

## **DUSP4 Polyclonal Antibody**

Catalog No: YT6141

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: MKP-2

**Fields:** >>MAPK signaling pathway

Gene Name: DUSP4 MKP2 VH2

Protein Name: Dual specificity protein phosphatase 4 (EC 3.1.3.16) (EC 3.1.3.48) (Dual

specificity protein phosphatase hVH2) (Mitogen-activated protein kinase

phosphatase 2) (MAP kinase phosphatase 2) (MKP-2)

Human Gene Id: 1846

**Human Swiss Prot** Q13115

No:

Mouse Gene Id: 319520

**Mouse Swiss Prot** 

No:

Rat Gene Id: 60587

Rat Swiss Prot No: Q62767

Immunogen: Synthesized peptide derived from human DUSP4 Polyclonal

**Specificity:** This antibody detects endogenous levels of DUSP4.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500-2000, ELISA 1:10000-20000

Q8BFV3

1/3



**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 44kD

**Cell Pathway :** MAPK\_ERK\_Growth;MAPK\_G\_Protein;

**Background :** The protein encoded by this gene is a member of the dual specificity protein

phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript

variants, encoding distinct isoforms, have been obser

**Function:** catalytic activity: A phosphoprotein + H(2)O = a protein + phosphate., catalytic

activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate..function:Regulates mitogenic signal transduction by

dephosphorylating both Thr and Tyr residues on MAP kinases ERK1 and

ERK2., similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor

class dual specificity subfamily., similarity: Contains 1 rhodanese domain., similarity: Contains 1 tyrosine-protein phosphatase domain.,

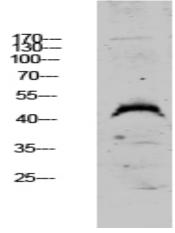
Subcellular Location:

Nucleus.

**Expression:** Skin, Uterus,

## **Products Images**





Western blot analysis of A549 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000