

DUSP6 Polyclonal Antibody

Catalog No: YN5617

Reactivity: Human;Rat;Mouse

Applications: WB

Target: DUSP6

Fields: >>MAPK signaling pathway;>>Transcriptional misregulation in cancer;>>Acute

myeloid leukemia

Gene Name: DUSP6

Protein Name: Dual specificity protein phosphatase 6 (EC 3.1.3.16) (EC 3.1.3.48) (Dual

specificity protein phosphatase PYST1) (Mitogen-activated protein kinase

phosphatase 3) (MAP kinase phosphatase 3) (MKP-3)

Human Gene Id: 1848

Human Swiss Prot Q16828

No:

Mouse Swiss Prot

No:

Rat Swiss Prot No: Q64346

Immunogen: Synthetic Peptide of DUSP6

Q9DBB1

Specificity: DUSP6 Rabbit Polyclonal detects endogenous levels of DUSP6

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

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:1000-3000

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: 42,44kD

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 ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this

family, is localized in the cytoplasm. Mutations in t

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

activity:Protein tyrosine phosphate + H(2)O = protein tyrosine +

phosphate.,function:Inactivates MAP kinases. Has a specificity for the ERK family.,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

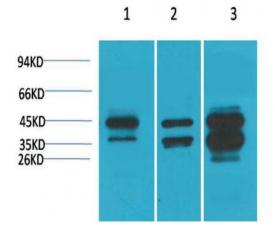
Location:

Expression: Expressed in keratinocytes (at protein level).

Cytoplasm.

Products Images

2/3



Western blot analysis of 1) HepG2, 2)3T3, 3) Rat Heart Tissue with DUSP6 Rabbit pAb diluted at 1:3,000.