

## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:5000, WB:1:500-1:2000,  
IHC:1:50-1:150

**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 observed for this gene. In addition, multiple polyadenylation sites have been reported.

**Gene ID:**

DUSP4

**Uniprot**

Q13115

**Synonyms:**

dual specificity phosphatase 4

**Immunogen:**

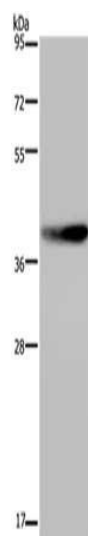
Fusion protein of human DUSP4.

**Storage:**

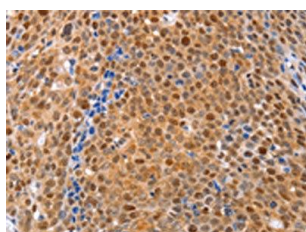
-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

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Gel: 10%SDS-PAGE, Lysate: 30  $\mu$ g, Lane: RAW264.7 cells, Primary antibody: PACO14398(DUSP4 Antibody) at dilution 1/600, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using PACO14398(DUSP4 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x—200).