

## DUSP6

**Reactivity:** Human

**Tested applications:** WB IF

**Recommended Dilution:** WB 1:500 - 1:1000 IF 1:20 - 1:50

**Calculated MW:** 42kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human DUSP6

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

q

**Synonym:**

HH19; MKP3; PYST1;

**Catalog #:** A0637

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1848

**Isotype:** IgG

**Swiss Prot:** Q16828

**Purity:** Affinity purification

For research use only.

**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. Two transcript variants encoding different isoforms have been found for this gene.

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