

DUSP12

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:200 - 1:1000 IHC 1:25 - 1:100

Calculated MW: 38kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human DUSP12

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

YVH1; DUSP1;

Catalog #: A2725

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 11266

Isotype: IgG

Swiss Prot: Q9UNI6

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 is 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 is the human ortholog of the *Saccharomyces cerevisiae* YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus, and is novel in that it contains, and is regulated by a zinc finger domain.

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