

**Anti-Human/Mouse/Rat MKP1/2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04995**

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3th Edition

**Description:**The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus. The bacterially expressed and purified DUSP1 (Dual Specificity Phosphatase 1) is a Protein Coding gene. Diseases associated with DUSP1 include Vaccinia and Multiple Cranial Nerve Palsy. Among its related pathways are RET signaling and Serotonergic synapse. GO annotations related to this gene include phosphatase activity and protein tyrosine/serine/threonine phosphatase activity. An important paralog of this gene is DUSP4. DUSP4 (Dual Specificity Phosphatase 4) is a Protein Coding gene. Diseases associated with DUSP4 include Echolalia and Chronic Laryngitis. Among its related pathways are RET signaling and Activated TLR4 signalling. GO annotations related to this gene include phosphatase activity and protein tyrosine/serine/threonine phosphatase activity. An important paralog of this gene is DUSP1.

**Antigen:**Synthesized peptide derived from human MKP-1/2 around the non-phosphorylation site of S296/318.

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney.1 Publication