



MAP2K6 Mouse Monoclonal Antibody

E10-30166

Background: This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. Tissue specificity: Isoform 2 is only expressed in skeletal muscle. Isoform 1, on the other hand, is found in skeletal muscle, heart, and in lesser extent in liver or pancreas.

Catalog Number: E10-30166

Amount: 100µg/100µl

Clone Number: 3H12B9

Species: Mouse IgG1

MW: 38kDa

Aliases: MEK6; MKK6; MAPKK6; PRKMK6; SAPKK3; MAP2K6

Entrez Gene: 5608

Immunogen: Purified recombinant fragment of human MAP2K6 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, ELISA: Propose dilution 1/10000.

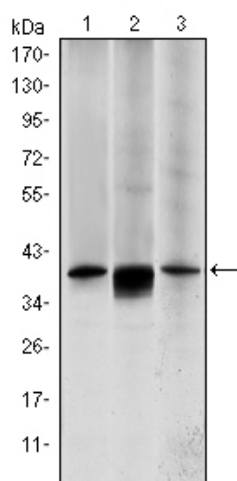


Figure 1: Western blot analysis using MAP2K6 mouse mAb against HepG2 (1), MCF-7 (2) and NIH/3T3 (3) cell lysate..

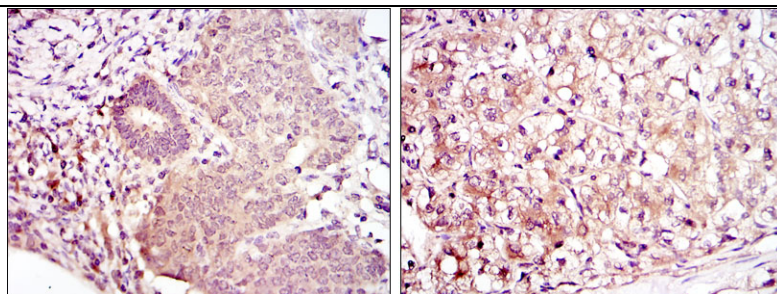
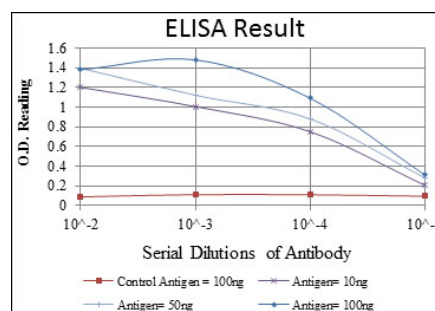


Figure 2: Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and kidney cancer (right) using MAP2K6 mouse mAb with DAB staining.



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