



## MAP2K4 Mouse Monoclonal Antibody

E10-20097

**Background:** MAP2K4(mitogen-activated protein kinase kinase 4), which is located on chromosome 17p11.2, with 399-amino acid protein (about 45 kDa), belongs to the family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. MEK-4 (also called MEK4/MKK4) activates both p38 and JNK MAP kinases. MKK4 is a central mediator in the stress activated protein kinase signaling pathway that responds to a number of cellular and environmental stressors. By phosphorylating MAP kinases such as JNK, MKK4 can ultimately transmit stress signals to nuclear transcription factors that mediate various processes including proliferation, apoptosis, and differentiation. Its distinct biological functions have been identified for MKK4 including a role in development, hepatogenesis, and metastasis suppression.

**Catalog Number:** E10-20097

**Amount:** 100µg/100µl

**Clone Number:** 2D10D8,4G11B2,2D10C4,2D10C3

**Species:** Mouse IgM

**Aliases:** MAP2K4

**Entrez Gene:** 6416

**Immunogen:** Purified recombinant fragment of MAP2K4 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

**Tested Applications:** IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** IHC.1/200 - 1/1000 , ELISA. Propose dilution 1/10000.

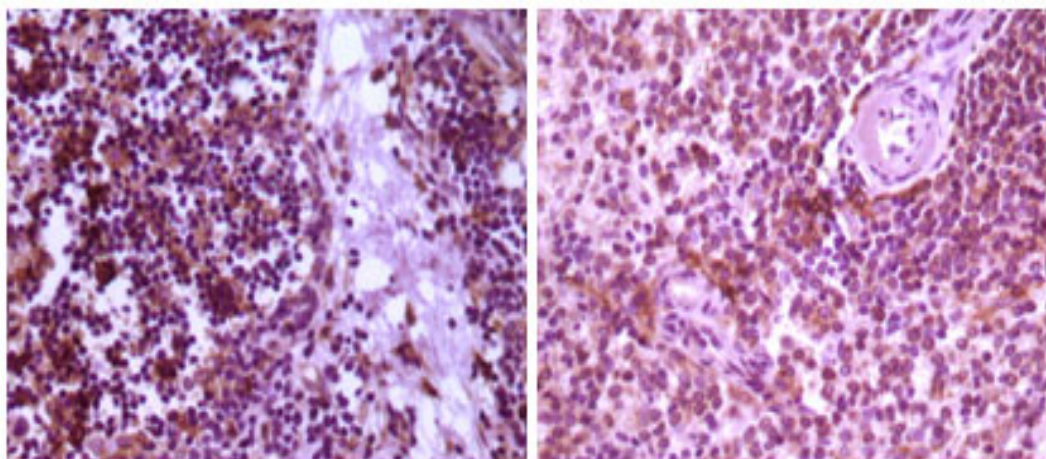


Figure 1. Immunohistochemical analysis of paraffin-embedded human thymoma tissue (left) and spleen tissue (right), showing cytoplasmic localization using MAP2K4 mouse mAb with DAB staining.