

**phospho-MCK10 (Tyr513) Polyclonal Antibody**

Catalog: BS65946      Host: Rabbit      Reactivity: Human, Mouse, Rat, Pig, Cow, Horse,

**BackGround:**

Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript variants.

**Product:**

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Molecular Weight:**

120 kD

**Swiss-Prot:**

Q08345

**Purification&Purity:**

affinity purified by Protein A

**Applications:**

IHC-P=1:100-500

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

phospho-MCK10 (Tyr513) Polyclonal Antibody detects endogenous levels of MCK10 protein only when phosphorylated at Tyr513.

**DATA:**

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**Note:**

For research use only, not for use in diagnostic procedure.

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