



## **Rabbit anti MAPKK5 (MEK5) (Paired S311/T315) Polyclonal Antibody**

**Alternative Name(s): MAPKK5; Mitogen-activated protein kinase kinase 5**

### **Order Information**

- **Description:** MEK5 (MAPKK5) (Paired S311/T315)
- **Catalogue:** 620-310
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

### **ANTIGEN PREPARATION**

A synthetic peptide surrounding the epitope –SIAKT- without any phosphorylation modification. This sequence is identical among human, rat, mouse, chicken, and dog.

### **BACKGROUND**

The MEK5 (also known as MKK5, MAPKK5, SKK5) is a dual specificity serine/threonine protein kinase belonging to the MAP kinase kinase family. It catalyzes tyrosine phosphorylation of ERK5 whereas MEK5 itself is regulated by MEKK3. An important link between MEK5 and metastatic prostate cancer has been demonstrated. Dual phosphorylation of Ser311 and Thr315 have been implicated in cell proliferation.

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes ~49 kDa of human MEK5 protein without phosphorylation sites of Ser 311/Thr315. It does not cross react to phospho MEK5. This antibody reacts with mouse and rat, chicken. The other species are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 49.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**

**MW (kDa)**

250-

150-

100-

75-

50-

37-

25-

**1**



Western Blot: The whole cell lysates derived from mouse liver were immunoblotted by Rabbit anti-MEK5(Non-phosphospecific ) (Cat#620-310) at 1:1000. Observed a major immunoreactive band at molecular weight ~49 kDa.

**REFERENCES**

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