



Rabbit anti MAPKK5 (MEK5) (pS311/pT315) Polyclonal Antibody

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

Order Information

- **Description:** MEK5 (MAPKK5) (pS311/pT315)
- **Catalogue:** 620-300
- **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- with double phosphorylation sites Ser311 and Thr315. 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 site-modified Epitope Affinity Purification.

FORMULATION

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

SPECIFICITY

This antibody recognizes ~49 kDa of human MEK5 protein at the phosphorylation site of Ser 311/Thr315. It does not cross react to non-phospho MEK5. It also 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)

1

250-
150-
100-

75-

50-

37-

25-



Western Blot: The whole cell lysates derived from EGF-stimulated A431 immunoblotted by Rabbit anti-MEK5(pSer311/pThr315) antibody (Cat#620-300) at 1:1000. Observed a major immunoreactive band at molecular weight ~49 kDa.

REFERENCES

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