

# AbboMax, Inc

Innovation at Work

## Rabbit anti MEK5 (Non-Phospho-specific)

Alternate Names: MAPKK5; MEK5; MKK5; MAPK/ERK Kinase 5; SKK5.

### Order Information

Description: Rabbit anti-MEK5(Nonphospho)  
Catalogue#: 620-310  
Lot#: See the label  
Size: 100 ug/200 ul  
Host: Rabbit  
Clone: N/A  
Application: ELISA, WB  
Reactivity: Hu, Rt, Ms, Ck, Dg

### 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 Site-specific Epitope Affinity Purification.

### 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.

### FORMULATION

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

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . The antibodies can be stored at  $2^{\circ}\text{C}$ - $8^{\circ}\text{C}$  for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

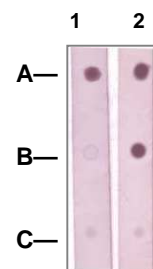
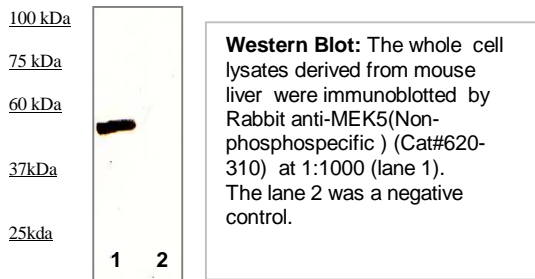
### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	2-5 $\mu\text{g/ml}$
Flow cytometry	Not tested

<b>MOLECULAR WEIGHT:</b>	49 kDa
<b>POSITIVE CONTROL:</b>	Mouse liver
<b>CELLULAR LOCATION:</b>	Cytoplasmic

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

### DATA ATTACHMENTS



### REFERENCES

Tetsuro Shishido, et al. Effects of MEK5/ERK5 Association on Small Ubiquitin-Related Modification of ERK5: Implications for Diabetic Ventricular Dysfunction After Myocardial Infarction. *Circulation Research*. 2008; 102:1416.

**FOR RESEARCH USE ONLY.**