

AbboMax, Inc

Innovation at Work

Rabbit anti MEK5 Antibody

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

Order Information

Description: Rabbit anti-MEK5
Catalogue#: 620-320
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 corresponding to C-term of human MEK5. 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 Protein A Affinity Purification.

FORMULATION

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

SPECIFICITY

This antibody recognizes ~49 kDa of human MEK5 protein. This antibody reacts with mouse and rat, chicken. The other species are not tested.

STORAGE

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

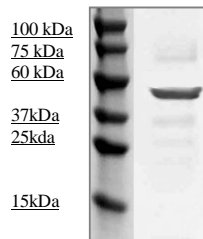
APPLICATIONS/SUGGESTED WORKING DILUTIONS

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

MOLECULAR WEIGHT:	49 kDa
POSITIVE CONTROL:	Mouse liver
CELLULAR LOCATION:	Cytoplasmic

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

DATA ATTACHMENTS



Western Blot: The whole cell lysates derived from mouse liver were immunoblotted by Rabbit anti-MEK5 (Cat#620-320) at 1:1000 .

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.

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