# Anti-phospho-MEK5 (Ser311 Ser315)
Rabbit Polyclonal Antibody

## Catalog # M06-65R
Lot # J1274-23

### Cited Applications
- WB

#### Suggested Dilutions:
- WB 1:1,000

Ideal working dilutions for each application should be empirically determined by the investigator.

### Specificity
Recognizes the MEK1 protein phosphorylated at serine 311/315

### Cross Reactivity
- Human, Rat, Bovine, Canine, Chicken, non-Human Primates, Zebrafish

### Host/Isotype/Clone#
- Rabbit, IgG

### Immunogen
- Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser311/Ser315 conjugated to KLH

### Formulation
- 100 µl in 10 mM HEPES (pH 7.5), 150 mMNaCl, 100 µg per ml BSA and 50% glycerol.

### Scientific Background
MEK5, which is also known as MKK5, is a dual specificity serine/threonine protein kinase that belongs to the MAP kinase kinase family. MEK5 specifically activates ERK5 (1) and MEK5 itself is regulated by MEKK3 (2). Phosphorylation of MEK5 at Ser311 and Thr315 has been implicated in cell proliferation (3). Indeed, there is an important link between MEK5 and metastatic prostate cancer (4).

### References

### Sample Data
Western blot of rat testes lysate showing specific labeling of the ~49kDa MEK5 protein (Control). Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen (Peptide) but not by the corresponding dephosphopeptide (not shown).

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