

## Product datasheet for **TA354844**

### MEK5 (MAP2K5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	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.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49 kDa
Gene Name:	mitogen-activated protein kinase kinase 5
Database Link:	<a href="#">NP_001193733</a> <a href="#">Entrez Gene 23938 Mouse</a> <a href="#">Entrez Gene 29568 Rat</a> <a href="#">Entrez Gene 5607 Human</a> <a href="#">Q13163</a>
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.
Synonyms:	HsT17454; MAPKK5; MEK5; PRKMK5
Protein Families:	Druggable Genome, Protein Kinase



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Protein Pathways: Gap junction, MAPK signaling pathway, Neurotrophin signaling pathway

**Product images:**



WB: The whole cell lysates derived from EGFstimulated A431 were immunoblotted by Rabbit antiMEK5 (pSer311/pThr315) at 1:1000 (lane 1). The lane 2 was pre-absorbed by immunizing peptide.



DB: 1ug peptide was blot onto NC membrane  
A:MEK5 (pS311/pT315) B: MEK5 (Nonphospho); C:  
Non-related phosphospecific PP were blotted at a  
1:1000 dilution by: 1: Rabbit anti-MEK5  
(pS311/pT315); 2: Rabbit anti-MEK5 (paired  
311/315