

Product datasheet for TA354844

OriGene Technologies, Inc.

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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: NP 001193733

Entrez Gene 23938 MouseEntrez Gene 29568 RatEntrez Gene 5607 Human

Q13163

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 prostrate 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



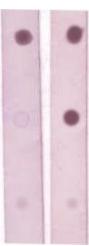


Protein Pathways: Gap junction, MAPK signaling pathway, Neurotrophin signaling pathway

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