

Product datasheet for **AP05673PU-N**

MEK5 (MAP2K5) pSer311/pThr315 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:1000; detects a band of approximately 49kDa in rat testes cell lysates.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat, Xenopus, Zebrafish
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within MEK5 , which includes phosphorylated Ser311 and Thr315.
Specificity:	This antibody specifically recognises 49kDa MEK5, also known as MAP2K5, when phosphorylated at Ser311 and Thr315. Activation of MEK5 itself is regulated by upstream MAP3K3/MEKK3, and phosphorylation of MEK5 at both the Ser311 and Thr315 sites has been implicated in cell proliferation.
Formulation:	10mM Hepes pH7.5 containing 0.09% Sodium Azide (NaN ₃), 0.01% Bovine Serum Albumin, 50% Glycerol State: Purified State: Liquid purified IgG
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase kinase 5
Database Link:	Entrez Gene 5607 Human Q13163



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Background: MEK5 is a dual specificity serine/threonine protein kinase belonging to the MAP kinase kinase family, which acts as a key regulator in a mitogen-activated protein (MAP) kinase cascade, and hence growth factor-induced cellular stimulation. MEK5 exists in naturally occurring MEK5alpha and MEK5beta splice variants, the former of which is known to specifically activate/regulate MAPK7/ERK5/BMK1, whilst the latter may act as a suppressor of MAPK7 activation.

Synonyms: MAP kinase kinase 5, MAPKK 5, MEK5, MKK5