

Datasheet for ABIN318850

anti-MAP2K5 antibody (pSer311, pThr315)[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	MAP2K5
Binding Specificity:	pSer311, pThr315
Reactivity:	Human, Mouse, Rat, Dog, Cow, Xenopus laevis, Zebrafish (Danio rerio), Chicken, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within MEK5 , which includes phosphorylated Ser311 and Thr315.
Isotype:	IgG
Specificity:	This antibody specifically recognises 49 kDa 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.
Purification:	Purified

Target Details

Target:	MAP2K5
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Target Details

Alternative Name:	MAP2K5 (MAP2K5 Products)
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: Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MEK5, MKK5
Gene ID:	5607
NCBI Accession:	NP_001193733
UniProt:	Q13163
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western Blot: 1: 1000, detects a band of approximately 49 kDa in rat testes cell lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM Hepes pH 7.5 containing 0.09 % Sodium Azide (NaN ₃), 0.01 % Bovine Serum Albumin, 50 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.