

Datasheet for ABIN6658265

anti-MAP2K5 antibody (pSer311, pThr315)



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1 Image

Overview

Quantity:	100 µL
Target:	MAP2K5
Binding Specificity:	pSer311, pThr315
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	MEK5 phospho S311/phospho T315 Antibody
Immunogen:	Anti-MEK5 pS311/pT315 Antibody was produced in rabbit by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser311/Thr315 conjugated to KLH.
Isotype:	IgG
Cross-Reactivity (Details):	MEK5 antibody was affinity purified from monospecific antiserum by immunoaffinity purification.
Purification:	Anti-MEK5 pS311/pT315 antibody is directed against rat MEK5.

Target Details

Target:	MAP2K5
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Target Details

Alternative Name:	MEK5 (MAP2K5 Products)
Background:	Synonyms: Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MAPK/ERK kinase 5 Background: MEK5 pS311/pT315 antibody detects MEK5 that is phosphorylated at Ser311 and Threonine315. MEK5 (also known as MKK5) is a dual specificity serine/threonine protein kinase belonging to the MAP kinase kinase family. MEK5 has been shown to specifically activate 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. Therefore, MEK5 pS311/pT315 antibody is ideal for investigators involved in Cell Signaling, Cell Migration and Proliferation and, more generally in Cancer Research. Gene Name: MAP2K5
Gene ID:	29568
UniProt:	Q62862
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway

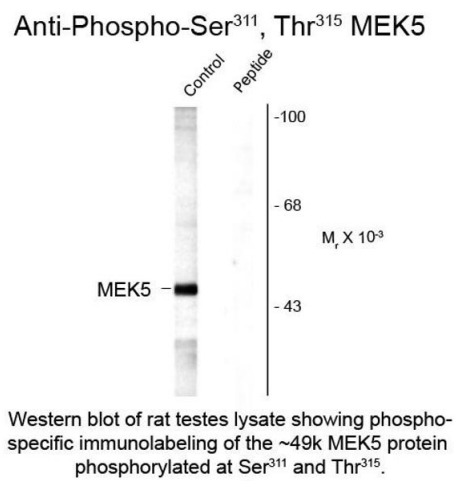
Application Details

Application Notes:	Optional[Neutralization_Dilution]: 1:1000
Comment:	Anti-MEK5 pS311/pT315 (Rabbit) antibody is tested for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 49 kDa in size corresponding to MEK5 protein phosphorylated at Ser311/Thr315 in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5 Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiry Date: 12 months



Western Blotting

Image 1. Western Blot of Anti-MEK5 pS311/pT315 (Rabbit) Antibody - 612-401-D74 Western Blot of Rabbit Anti-MEK5 pS311/pT315 antibody. Lane 1: rat testes. Lane 2: rat testes blocked by preadsorption with the phospho-peptide. Load: 10 µg per lane. Primary antibody: MEK5 pS311/pT315 antibody at 1:400 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~49kDa/~49kDa for MEK5 protein. Other band(s): none.