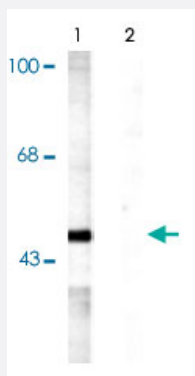


Map2k5 (phospho S311/T315) polyclonal antibody

Catalog # PAB9650

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat testis lysate showing specific labeling of the ~49k Map2k5 protein (Control). Immunolabeling is blocked by preadsorption with the phospho-peptide used as antigen (Peptide) but not by the corresponding dephospho-peptide (not shown).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Map2k5.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S311/T315 of rat Map2k5.
Host	Rabbit
Theoretical MW (kDa)	49
Reactivity	Bovine, Chicken, Clawed frog, Dog, Human, Mouse, Primates, Rat, Zebra fish
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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Gene Info — Map2k5

Entrez GeneID	29568
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Protein Accession#	Q62862
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Gene Name	Map2k5
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Gene Alias	Mek5
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Gene Description	mitogen activated protein kinase kinase 5
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Gene Ontology	Hyperlink
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Other Designations	mitogen-activated protein kinase kinase 5
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Publication Reference

- [Differential role of MEK5alpha and MEK5beta in BMK1/ERK5 activation.](#)

Cameron SJ, Abe J, Malik S, Che W, Yang J.
The Journal of Biological Chemistry 2003 Oct; 279(2):1506.

- [MEK5 overexpression is associated with metastatic prostate cancer, and stimulates proliferation, MMP-9 expression and invasion.](#)

Mehta PB, Jenkins BL, McCarthy L, Thilak L, Robson CN, Neal DE, Leung HY.
Oncogene 2003 Mar; 22(9):1381.

- [MEKK3 directly regulates MEK5 activity as part of the big mitogen-activated protein kinase 1 \(BMK1\) signaling pathway.](#)

Chao TH, Hayashi M, Tapping RI, Kato Y, Lee JD.

The Journal of Biological Chemistry 1999 Dec; 274(51):36035.