MEK-1/2 (phospho Ser222/226) rabbit pAb

Cat#: orb769700 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	MEK-1/2 (phospho Ser222/226) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MEK1/2 around the phosphorylation site of Ser221. AA range:193-242
Specificity	Phospho-MEK-1/2 (S222/226) Polyclonal Antibody detects endogenous levels of MEK-1/2 protein only when phosphorylated at S222/226.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dual specificity mitogen-activated protein kinase kinase 1/2
Gene Name	MAP2K1/MAP2K2
Cellular localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, spindle pole body . Cytoplasm . Nucleus . Membrane ; Peripheral membrane protein . Localizes at centrosomes during prometaphase, m
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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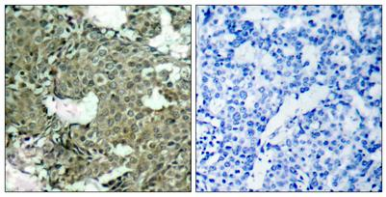
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	44kD
Human Gene ID	5604/5605
Human Swiss-Prot Number	Q02750/P36507
Alternative Names	MAP2K1; MEK1; PRKMK1; Dual specificity mitogen-activated protein kinase kinase 1; MAP kinase kinase 1; MAPKK 1; MKK1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK 1; MAP2K2; MEK2; MKK2; PRKMK2; Dual specificity mitogen-activated protein k
Background	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. [provided by RefSeq, Jul 2008],



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MEK1/2 (Phospho-Ser221) Antibody. The picture on the right is blocked with the phospho peptide.

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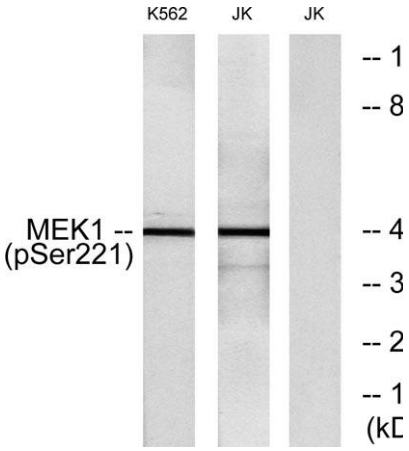

Western blot analysis of lysates from K562 cells treated with serum 20% 15' and Jurkat cells treated with EGF, using MEK1/2 (Phospho-Ser221) Antibody. The lane on the right is blocked with the phospho peptide.

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