# Phospho-MEK1 (Thr291) Ab

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| Cat.#: AF3383 | Concn.: 1mg/ml | Mol.Wt.: 45kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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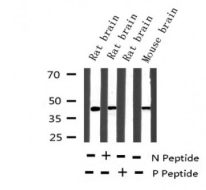
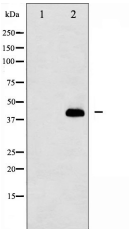
| Application: | WB 1:500-1:2000, IF/ICC 1:100-1:500 |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Specificity: | Phospho-MEK1 (Thr291) Ab detects endogenous levels of MEK1 only when phosphorylated at Threonine 291. |
| Immunogen: | A synthesized peptide derived from human MEK1 around the phosphorylation site of Threonine 291. |
| Uniprot: | Q02750 |
| Description: | 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. |
| Subcellular Location: | Nucleus;Cytoskeleton; |
| Tissue Specificity: | Widely expressed, with extremely low levels in brain. |
| Similarity: | The proline-rich region localized between residues 270 and 307 is important for binding to RAF1 and activation of MAP2K1/MEK1.Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |




Western blot analysis of Phospho-MEK1 (Thr291) expression in various lysates




Western blot analysis of MEK1 phosphorylation expression in K562 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

AF3383 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An  Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.