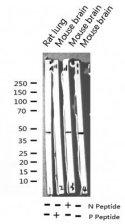
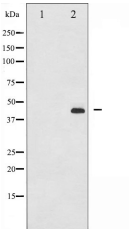
Phospho-MEK1/2 (Ser217) Ab

Cat.#: AF3384	Concn.: 1mg/ml	Mol.Wt.: 45kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

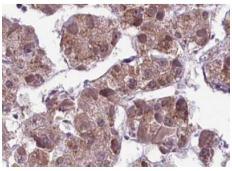
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-MEK1/2 (Ser217) Ab detects endogenous levels of MEK1/2 only when phosphorylated at Serine 217.
Immunogen:	A synthesized peptide derived from human MEK1/2 around the phosphorylation site of Serine 217.
Uniprot:	Q02750/P36507
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-MEK1/2 (Ser217) expression in various lysates



Western blot analysis of MEK1/2 phosphorylation expression in PMA treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3384 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

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.