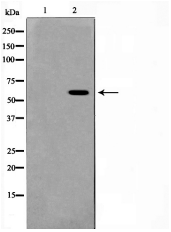
Phospho-ERK8(Thr175+Tyr177) Ab

Cat.#: AF0029	Concn.: 1mg/ml	Mol.Wt.: 60kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-ERK8(Thr175+Tyr177) Ab detects endogenous levels of ERK8 only when phosphorylated at Threonine 175 and Tyrosine 177.
Immunogen:	A synthesized peptide derived from human ERK8 around the phosphorylation site of Threonine 175 and Tyrosine 177.
Uniprot:	Q8TD08
Description:	ERK7 is phosphorylates MBP in vitro. Interacts with CSK/c-Src, ABL1 and RET. 3 isoforms of the human protein are produced by alternative splicing.
Tissue Specificity:	Widely expressed with a maximal expression in lung and kidney.
Similarity:	The N-terminal region (1-20) is the minimal region necessary for ubiquitination and further proteasomal degradation.The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP 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 on Jurkat cell lysate using Phospho-ERK8(Thr175+Tyr177) Ab,The lane on the left is treated with the antigen-specific peptide.

AF0029 staining Hela 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.