

CABP0472

Product Information

Product SKU:	CABP0472	Gene ID:	5594/5595	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	44kDa/ 42kDa/	Conjugate:	Unconjugated
Calculated MW:	36kDa/41kDa/38kDa/40kDa/43 kDa	Isotype:	IgG

Immunogen Information

Background:	This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq, Jan 2014]
Recommended Dilution:	WB,1:500 - 1:1000 IF/ICC,1:50 - 1:200
Synonyms:	MAPK1/MAPK3; Phospho-ERK1-T202/Y204 + ERK2-T185/Y187
Purification Method:	Affinity purification
Immunogen:	A synthetic phosphorylated peptide around T185 & Y187 of human ERK2MAPK1 (NP_002736.3).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.