

Cat. No:	ABP-0472
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic phosphorylated peptide around T185/Y187 of human ERK2.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:200 Immunoprecipitation: 1:50 - 1:100
Molecular Weight:	42KDa/44KDa
Purification:	Affinity purification
Synonyms:	MAPK1/MAPK3

Background:	<p>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]</p>
Form:	liquid
Buffer:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

**For Research use only
IMMUNOLOGICAL SCIENCES**