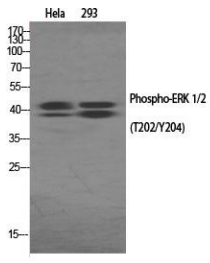
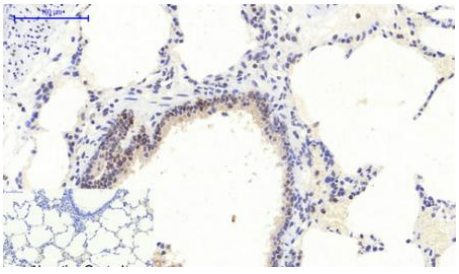
Product Data Sheet: Phospho-ERK 1/2 (Thr202/Y204) Rabbit Polyclonal Antibody

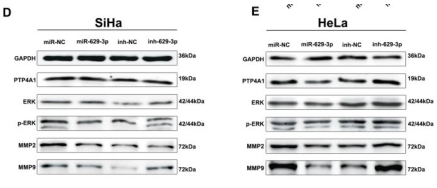
Cat. No:	ABP11212
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized phospho- peptide around the phosphorylation site of human ERK 1/2 (phospho Thr202/Y204)
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1: 500 – 1:2000 Immunofluorescence: 1:50-1:200 Immunohistochemistry: 1:100 – 1:300 ELISA: 1:20000
Molecular Weight:	44+42 kDa
Purification:	The antibody was affinity- purified from rabbit antiserum by affinity-chromatography using epitope- specific immunogen.
Synonyms:	MAPK3; ERK1; PRKM3; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK- 1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44- MAPK; Microtubule-associated protein 2 kinase;
Background:	mitogen-activated protein kinase 3(MAPK3) Homo sapiens The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal- regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.



Western Blot analysis of various cells using Phospho-ERK 1/2 (T202/Y204)



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, ERK 1/2 (phospho Thr202/Y204)



Western Blot analysis of various cells using Phospho-ERK 1/2 (T202/Y204) Polyclonal Antibody

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Polyclonal Antibody	Polyclonal Antibody was diluted at 1:200 (4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min). Negative control was used by secondary antibody only.