

ERK1/2 antibody

Product Information

Catalog No.:	FNab02847
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8C11
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalized the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to insulin and NGF.

Immunogen information

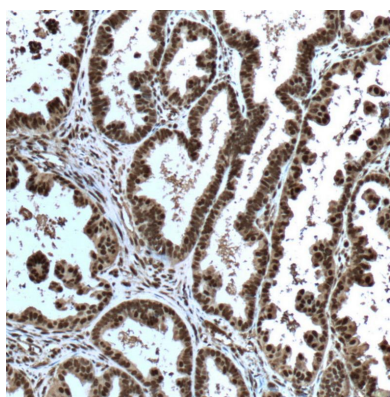
Immunogen:	mitogen-activated protein kinase 3
Synonyms:	Mitogen-activated protein kinase 3 (MAP kinase 3, MAPK 3) ERT2 Extracellular signal-regulated kinase 1 (ERK-1) Insulin-stimulated MAP2 kinase MAP kinase isoform p44 (p44-MAPK) Microtubule-associated protein 2 kinase p44-ERK1 MAPK3 ERK1 PRKM3
Observed MW:	38-44 kDa
Uniprot ID :	P27361

Application

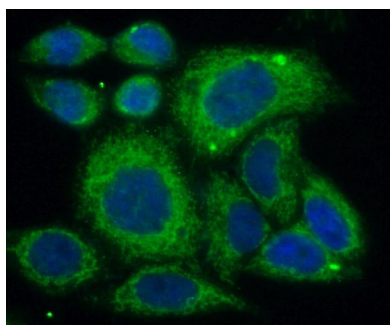
Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IHC, IF

Recommended dilution: WB:1:500-1:5000; IHC: 1:100-1:400; IF: 1:20-1:200

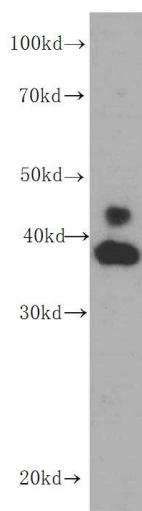
Image:



Immunohistochemistry of paraffin-embedded human ovary tumor tissue slide using FNab02847(ERK1/2 Antibody) at dilution of 1:200. Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0



Immunofluorescent analysis of HepG2 cells using FNab02847(ERK1/2 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)



HeLa cells were subjected to SDS PAGE followed by western blot with FNab02847(ERK1/2 Antibody) at dilution of 1:1000