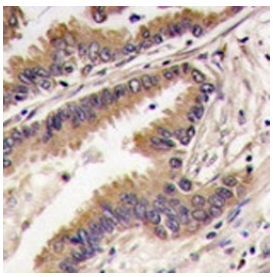
ERK4 Antibody (F50462)

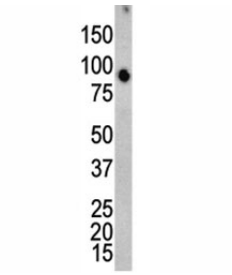
Catalog No.	Formulation	Size
F50462-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50462-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P31152
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This ERK4 antibody is available for research use only.



IHC analysis of FFPE human lung carcinoma tissue stained with ERK4 antibody



Western blot analysis of ERK4 antibody and mouse brain tissue lysate.

Description

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The CMGC group consists of 60 kinases including the cyclin-dependent kinase (CDK) and close relatives family, the MAP kinase (ERK) family, the glycogen synthase kinase 3 (GSK3) family, and the Cdc2-like kinase (CLK) family.

Application Notes

Titration of the ERK4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 527-557 from the human protein was used as the immunogen for this ERK4 antibody.

Storage

Aliquot the ERK4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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