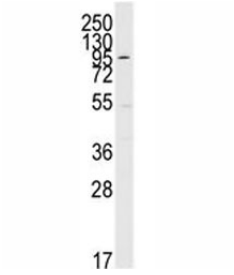
ERK5 Antibody (F50463)

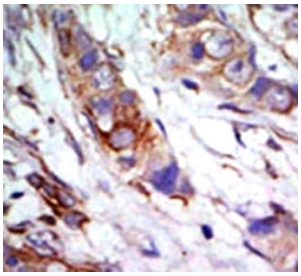
Catalog No.	Formulation	Size
F50463-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50463-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

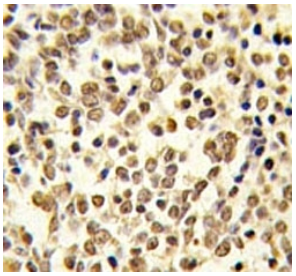
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13164
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This ERK5 antibody is available for research use only.



Western blot analysis of ERK5 antibody and K562 lysate



IHC analysis of FFPE human breast carcinoma tissue stained with the ERK5 antibody



IHC analysis of FFPE human kideny carcinoma tissue stained with ERK5 antibody

Description

MEK5 and ERK5, a member of the MAP kinase subfamily of the Ser/Thr protein kinases, interact specifically with one another and not with MEK1/ERK1 or MEK2/ERK2 pathways. ERK5 is activated by tyrosine and threonine phosphorylation It is expressed in many adult tissues, abundantly in heart, placenta, lung, kidney and skeletal muscle, but is not detectable in liver. The second proline-rich region may interact with actin targeting the kinase to a specific location in the cell. ERK5 is autophosphorylated on threonine and tyrosine residues when the C-terminal part of the kinase, which could have a regulatory role, is absent.

Application Notes

Titration of the ERK5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 776-805 from the human protein was used as the immunogen for this ERK5 antibody.

Storage

Aliquot the ERK5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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