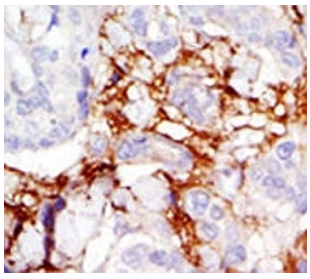
PAK3 Antibody (F50892)

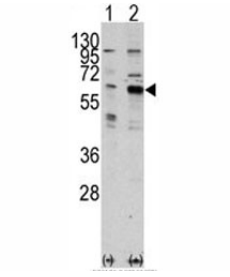
Catalog No.	Formulation	Size
F50892-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50892-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O75914
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This PAK3 antibody is available for research use only.



IHC analysis of FFPE human breast carcinoma tissue stained with the PAK3 antibody



Western blot analysis of PAK3 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the PAK3 gene (2). Expected molecular weight ~62 kDa.

Description

PAK3, a member of the STE20 subfamily of Ser/Thr protein kinases, acts on a variety of targets. PAK3 interacts tightly with GTP-bound but not GDP-bound CDC42/p21 and RAC1. It shows highly specific binding to the SH3 domains of phospholipase C-gamma and of adapter protein NCK. This protein is highly expressed in postmitotic neurons of the developing and postnatal cerebral cortex and hippocampus. PAK3 is autophosphorylated when activated by CDC42/p21. Defects in PAK3 are the cause of non-specific X-linked nonsyndromic mental retardation type 30 (MRX30). The protein structure contains 1 CRIB domain.

Application Notes

Titration of the PAK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 218-247 from the human protein was used as the immunogen for this PAK3 antibody.

Storage

Aliquot the PAK3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.