Datasheet for ABIN3032142

anti-PAK3 antibody (AA 218-247)

3 Images

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Overview

Quantity:	0.4 mL
Target:	PAK3
Binding Specificity:	AA 218-247
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 218-247 from the human protein was used as the immunogen for this PAK3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	PAK3
Alternative Name:	PAK3 (PAK3 Products)
Background:	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

Target Details

	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.
UniProt:	O75914

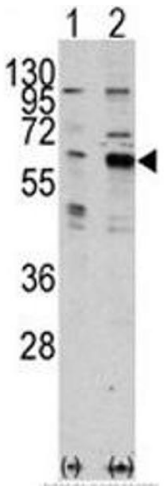
Application Details

Application Notes:	Titration of the PAK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

Handling

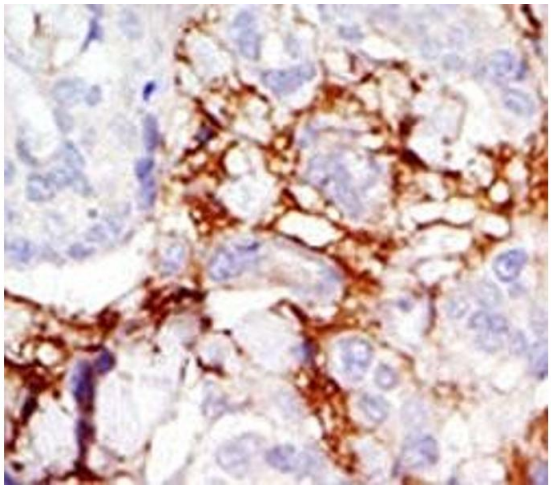
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the PAK3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



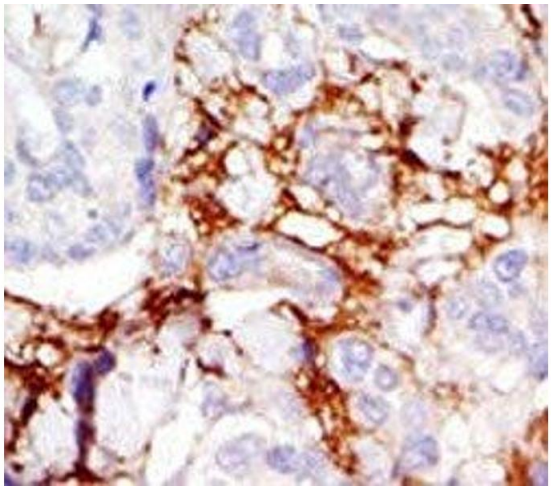
Western Blotting

Image 1. Western blot analysis of PAK3 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the PAK3 gene (2).



Immunohistochemistry

Image 2. IHC analysis of FFPE human breast carcinoma tissue stained with the PAK3 antibody



Immunohistochemistry

Image 3. IHC analysis of FFPE human breast carcinoma tissue stained with the PAK3 antibody

